

TECHNOLOGY MAGAZINE

OUTLOOK BUSINESS

November 2025

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BUILT ON INTELLIGENCE

Harsh Jaiswal proves
Innovation thrives when
Tech becomes a teammate.

THE BUSINESS OF INTELLIGENCE

How technology is
safeguarding
The digital world

ENGINEER TO ENTREPRENEUR

Transforming smart ideas
into Businesses that reach
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Harsh Jaiswal

Redefining Entrepreneurship
Through Innovation
Co-Founder PProximity & Chronicle
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INNOVATION AND
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Scaling Smart: Harsh Jaiswal's Journey From Startup Vision to Half a Million in A Year

Harsh Jaiswal
Redefining Entrepreneurship Through
Innovation Co-Founder PProximity & Chronicle
International Publishers



A CEO, an entrepreneur, a visionary – Harsh Jaiswal is redefining how startups are built, scaled, and sustained in the age of artificial intelligence. What began as an idea between a handful of ambitious minds soon transformed into Proximity, a next-generation PR management platform that uses AI not just as a tool but as a strategic partner in business growth.

"When we started Proximity, it was just a small team with big dreams," Jaiswal recalls. "We didn't have the luxury of time or large manpower, so we decided to make AI our biggest ally."

That decision would go on to reshape everything – from how campaigns were managed to how stories were placed in the media.

"Within the first year, Proximity generated over half a million dollars in revenue, proving that smart automation and strategic storytelling could coexist."

But this success wasn't accidental. Jaiswal and his team built intelligent dashboards that streamlined workflow

and eliminated repetitive manual tasks. "We trained our programs to shortlist the best media pieces and articles for each client's profile and requirements," he explains. "All we needed was a filled questionnaire. From there, our AI systems could recommend the right publications and journalists, creating customized media placements for everything from reputation management to product launches."

The result? Thousands of hours saved, better editorial targeting, and clients whose stories reached the right audience at the right time, all powered by data-driven intuition.

Within the first year, Proximity generated over half a million dollars in revenue, proving that smart automation and strategic storytelling could coexist.

Yet, Jaiswal's entrepreneurial journey didn't stop with Proximity. His next venture, **Chronicle International Publishers**, extended his vision into academic and publishing authorship, again harnessing AI to help professionals, researchers, and writers position their work effectively in a global space.

For Jaiswal, AI has never been a threat; it's been a trusted co-founder. "Founders often fear that AI will replace creativity or leadership," he says. "But I've learned that AI is not here to take your place, it's here to accelerate your growth. The secret is to treat AI as your friend, not your competitor."

His message to today's entrepreneurs is clear: in a world driven by speed, scale, and data, AI is no longer a choice – it's a necessity.

Harsh Jaiswal's story is a reminder that the startups of the future won't just be powered by passion – they'll be built on the intelligent partnership between human vision and artificial intelligence.

From India to the U.S.: The Journey of a Telecom Engineer



Varinder Sharma, Senior Cloud Engineer

When you make a call or stream your favorite show without interruption, you're relying on a vast wireless network, one that most of us rarely think about. Behind this invisible infrastructure are experts like Varinder Kumar Sharma, whose work powers connectivity for over 290 million Americans every day.

Sharma's story is proof that talent knows no borders. Beginning his career in India with GSM and WCDMA networks, he built his expertise from the ground up. His path took him from India to Portugal and eventually to the U.S., where he now serves as Technical Manager at Nokia Networks USA, leading some of the nation's largest wireless deployments. Combining global experience, technical depth, and leadership, he continues to shape the next generation of telecom innovation.

Orchestrating Networks That Connect Millions

Sharma oversees a network ecosystem that supports more than 300 million VoLTE calls daily and keeps 27 million users seamlessly connected across the U.S. As a nationwide leader of engineering teams, he manages Nokia's FSM4 and AirScale RAN deployments, ensuring every upgrade and rollout happens with precision.

Beyond implementation, he drives initiatives that make networks faster, greener, and more resilient.

One standout accomplishment is his work on Nokia's Zero Emission 3.0, which cuts network energy consumption by up to 90%—a landmark achievement in sustainable telecom infrastructure. Balancing innovation with environmental responsibility, this initiative reflects Sharma's commitment to building smarter, cleaner networks for the future.

Beyond Phones: Networks for Safety and Scale

Wireless systems face their greatest challenges during large events and emergencies. Sharma

has engineered infrastructure that supports over 100,000 attendees at events like the Super Bowl, while also enabling FirstNet-compatible systems for emergency responders. In critical moments, when communication is a lifeline, his networks remain dependable and strong.

As the primary technical liaison for executives at AT&T and T-Mobile, Sharma bridges the gap between engineering and business, ensuring that complex national deployments run smoothly and strategically.

Recognized Excellence and Future Vision

Sharma's technical expertise and leadership have earned him multiple Nokia awards for innovation, energy optimization, and deployment excellence, along with personal commendations from senior executives at AT&T and T-Mobile, recognition that underscores his credibility within the global telecom community.

Looking ahead, he is exploring AI-driven and cloud-native solutions to pave the way for 6G, self-healing, autonomous networks that predict and resolve issues before they arise. Through a blend of vision and execution, Varinder Kumar Sharma continues to define what the future of connectivity looks like.

"My mission is to build networks that are not just faster and more reliable, but also smarter and greener—so every call, stream, or emergency connection works seamlessly for millions of people every day."

Innovation, Vision, and the Making of India's Defence Capabilities

Building Self-Reliant Defence Through Vision and Innovation

India's defence landscape is undergoing a quiet but powerful transformation. From a nation once dependent on imported technologies, it is now shaping its own path toward self-reliance and strategic strength. At the forefront of this evolution is Vijayan Trishul Defence Solutions (VTDS), a company redefining how indigenous innovation can strengthen national security and contribute to India's global standing.

Guiding this mission is Sahil Luthra, whose vision of defence innovation goes far beyond machines and materials. For him, it's about cultivating a mindset that combines foresight, precision, and responsibility. Under his leadership, VTDS has built a culture rooted in research-driven development, practical problem-solving, and long-term sustainability. Every project reflects a commitment to quality, reliability, and India's broader strategic goals.

Government initiatives like Atmanirbhar Bharat and Make in India have provided fertile ground for such enterprises to thrive. With an increasing demand for defence systems that can be developed, upgraded, and maintained domestically, private innovators like VTDS are playing a critical role in bridging the technological gap. Their approach emphasizes balance—developing cutting-edge technologies that are both operationally effective and strategically relevant.

VTDS's philosophy of innovation is grounded, not



Sahil Luthra
Founder and Managing Director
Vijayan Trishul Defence Solutions

“Innovation in defence isn't about grandeur; it's about solving real problems that strengthen the nation's foundation.”

glamorous. Every solution focuses on addressing real-world defence challenges, building systems that integrate seamlessly into existing infrastructures while enhancing efficiency and adaptability. For Sahil and his team, innovation is not about fanfare but about consistent contribution to the nation's readiness and resilience.

A defining strength of India's emerging defence ecosystem lies in collaboration. VTDS is actively building partnerships

with research, testing, and strategic institutions to ensure that its future manufacturing and technological capabilities are aligned with the nation's self-reliance goals. This growing synergy of ideas, expertise, and technology is laying the foundation for long-term progress.

The results of these efforts are increasingly visible. Indigenous systems are no longer seen as experimental; they are being deployed for critical missions, instilling confidence among India's defence forces. This marks a fundamental shift in how the nation perceives its defence capabilities: self-reliance is no longer a distant goal but a growing reality.

Looking ahead, India's defence ambitions will be driven by emerging technologies such as autonomous systems, advanced sensors, and AI-driven platforms. Achieving leadership in these domains will demand sustained investment, public-private partnerships, and a culture of experimentation that embraces both risk and reward.

In this journey, the work of companies like VTDS stands as a testament to vision, perseverance, and purpose. They represent the spirit of a new India, one that builds its own future, protects its sovereignty, and leads through innovation. As the nation marches forward, it does so with growing confidence, powered by innovators who are shaping a secure and self-reliant tomorrow.



Tripatjeet Singh, Senior Cloud Engineer

Tripatjeet Singh And The New Standard of Secure Cloud Engineering

When you think of innovation in cloud computing, your mind might go to flashy startups or global tech giants. But the next big leap in secure, scalable infrastructure? It's happening in a bank, where Tripatjeet Singh is a name to remember.

A Senior Cloud Engineer at a leading bank, Singh isn't chasing buzzwords. He is architecting systems that power the financial

world, systems where outages aren't an option, compliance is non-negotiable, and trust must be built into the code itself. "In finance, you don't get to move fast and break things," he says. "You have to move smart and build things that don't break."

What cemented Singh's reputation as a forward-thinking cloud engineer? A remarkable AI-powered fraud detection system that marries large language models

with computer vision to flag forged checks in real-time. The result is highly impressive with a 45% boost in accuracy, and more importantly, a new benchmark for responsible AI in a heavily regulated space. "We proved that AI can be powerful and compliant," he says. "That changed a lot of minds internally."

What's interesting is that the professional's innovation streak doesn't stop at AI. He also designed a certificate lifecycle automation system, a critical but often-overlooked component in cloud infrastructure. This eliminated certificate outages and passed external audits without a single finding. At most companies, this would be a headline. At his organisation, it became the new standard.

The Architect of Secure Agility

This engineer's toolkit is both deep and future-focused: Terraform, GitHub Actions, AWS Services and cloud-native governance frameworks all fall within his purview. He has championed resilience engineering across core banking services, and led the development of onboarding frameworks that slash app deployment times by 30%. This isn't just automation for speed, rather it's automation for control, consistency, and compliance.

With a career spanning ethical trading platforms at leading brands, he has smartly built a name for himself as a strategic technologist with a security-first mindset. He is as comfortable in code as he is in compliance reviews, a rare mix in today's cloud-native era. "Great cloud engineering isn't just about scale," the professional reflects. "It's about sustainability, foresight, and trust."

In an industry where risk is measured in millions, Tripatjeet Singh is designing systems that don't just work, they endure. And while you might not see his name in the headlines, you will find his fingerprints on the future of secure fintech.

The Untold Story of Ethics And Cybersecurity Innovation



How Ankush Gupta's vision links ethical practices with progressive innovation in cybersecurity today

Ankush Gupta
Senior Solution Architect



With cyber threats evolving at lightning speed, securing sensitive data has never been more critical. Today's cybersecurity isn't just about advanced technologies, it's about the values and principles that guide their use. Behind every secure system lies human judgment, moral clarity, and an unwavering commitment to trust. These are the true foundations of a safer digital future.

"Technology is a game-changer, but how responsibly it's applied defines real security," says Ankush Gupta, a seasoned cybersecurity professional whose experience spans telecommunications, financial services, retail, and risk analysis. His work reflects how progressive innovation and ethics can coexist to protect both systems and people.

Gupta's signature contribution, the Framework of Zero Trust Maturity Architecture for Cyber

Security (FOZTMA-CS), has been implemented across multiple U.S. financial institutions, setting new standards for secure digital ecosystems. He has also developed payment security solutions now used by over 80 retailers, and helped modernize risk analysis engines that integrate privacy by design. His work across sectors demonstrates how ethical responsibility can strengthen innovation without compromising privacy.

A defining challenge in his career involved migrating billions of customer records from legacy systems to modern cloud-based platforms, an effort that demanded not only technical precision but also transparency and strategic trust management. "Security measures must align with how technology shifts and how users interact with systems," Gupta explains, emphasizing that cybersecurity requires adaptability and deep subject-matter insight rather than

one-size-fits-all approaches.

His experience also includes designing cloud platforms serving millions of retail and enterprise users, where he consistently applies the principle that cybersecurity is a living system, one that evolves as technology and threats advance. Gupta advocates for the ethical use of AI in cybersecurity, seeing it as an assistant rather than a replacement. Artificial intelligence, he believes, should accelerate threat detection and response, always under human oversight, maintaining privacy, fairness, and accountability.

Despite rapid progress, Gupta notes that many organizations still lag behind: disaster recovery plans remain inadequate, legacy architectures slow down responses, and AI's full potential in defense is underutilized. His vision of future-proof cybersecurity combines advanced automation with moral responsibility, ensuring systems remain both resilient and trustworthy.

For Ankush Gupta, true cybersecurity goes beyond code and firewalls, it's about people, ethics, and intention. As he continues to lead transformative initiatives, his work reminds us that the strongest defense in the digital age isn't just built by machines, but by those who uphold the values behind them.

Veerendra Nath: Building Responsible Technology in Healthcare



Veerendra Nath, Staff MLOps Engineer



In a world where healthcare and technology are intersecting to create desired outputs, Veerendra Nath is trying to make artificial intelligence not just smarter, but also safer and effective. With over a decade of experience as a Cloud Platform Engineer and Data Engineer, Veerendra is helping healthcare organizations modernize how they use their data—ethically, securely, and at scale.

Turning Data into Care

Veerendra's passion lies in Applied Healthcare AI, using data science and machine learning to improve patient outcomes. He has worked on systems that predict clinical risks, improve care quality, and extract SDoH (Social Determinants of Health) from medical notes through NLP (Natural Language Processing). His goal is simple: to make sure technology is used to improve patient outcomes and doctors' efficiency.

"I don't just build pipelines, I architect mission-critical, compliant, and observable AI platforms that process real-world healthcare data at scale and empower organizations to build faster, safer, and smarter AI systems that impact millions

"Technology in healthcare isn't just about innovation—it's about responsibility. Every line of code, every AI model we build must ultimately serve one purpose: to make care safer, smarter, and more human"

of lives in healthcare," he says.

Beyond analytics, Veerendra designs scalable and reusable AI platforms, frameworks like NLP-as-a-Service and Clinical Data Engineering-as-a-Service that other teams can use to build their own tools. His MLOps automation work ensures that AI models are deployed reliably and monitored for accuracy, drift, and bias, especially critical in regulated fields like healthcare.

He has also architected decentralized, domain-oriented data mesh solutions using BigLake on GCP that handle diverse, high-volume clinical data ingestion, governance, and

productization.

Further, he has built cloud-native systems on GCP and AWS, using Terraform and Infrastructure-as-Code to make them both cost-efficient and compliant with HIPAA and HITRUST standards. His rare mix of skills, spanning AI, cloud infrastructure, and clinical compliance, is helping healthcare move faster without compromising safety.

The Gaps in Healthcare AI and a Vision

Veerendra believes the biggest challenge in healthcare technology today is the lack of unified, secure, and transparent AI systems. Many hospitals still struggle with disconnected data, dependency on manual reporting, and non-regulation-friendly AI pipelines. He's working to close those gaps, by building deeper NLP pipelines, data mesh (data management platform) architectures, mature ML observability toolchains and cross-functional platforms that work together to make the environment more patient-friendly.

As healthcare moves into the tech era, professionals like Veerendra Nath are proving that innovation can facilitate care together with responsibility.

Building Trust in Code: How Anusha Joodala Redefines Secure Innovation

In industries where mistakes are costly and trust is everything — think healthcare, banking, and government — technology has little room for error. Behind the systems that process payments, monitor cardiac rhythms, or store sensitive records, someone has to make sure the machinery not only works but works securely. That someone, in many cases, has been Anusha Joodala.

Joodala's career sits at the tricky crossroads of backend engineering, cloud architecture, and data governance. It's a rare overlap of skills: she codes in Java, architects on AWS, and engineers pipelines that feed real-time analytics. For

organizations shackled by outdated systems and strict compliance frameworks like GDPR, HIPAA, or SOC2, her approach has been nothing short of transformative.

Take finance. When a large services platform needed to escape its legacy constraints, Joodala led the charge into the cloud. The result: applications running 45 percent faster, downtime slashed by 30 percent, and executives suddenly equipped with BI dashboards that didn't just crunch data but did so securely. "That project proved modernization can be both innovative and compliant," says one industry observer.

Healthcare tells a similar story,

but with higher stakes. Joodala helped engineer ETL pipelines that power wearable cardiac devices, ensuring real-time alerts reach clinicians before it's too late. Behind the scenes, her work turned streams of raw medical data into actionable insights — a reminder that good code can, quite literally, save lives.

Then there's automation. While buzzwords swirl around DevOps, Joodala has grounded it in measurable gains. By designing CI/CD pipelines with Terraform and GitHub Actions, she cut deployment times by more than 70 percent. At the same time, she maintained rollback safety and compliance checks, a balance most organizations struggle to achieve. Even government systems — notorious for sluggish databases — benefited from her SQL optimizations that trimmed query latency by 60 percent.

What makes her work compelling isn't just technical finesse but a clear sense of purpose. In a landscape where many companies patch problems piecemeal, Joodala builds future-ready ecosystems: systems where data flows seamlessly, analytics happen in real time, and compliance is built in, not bolted on.

Her vision extends beyond the technical. Financial inclusion, smarter healthcare, and efficient government aren't abstract goals to her — they're the societal outcomes technology should be driving. As industries continue their uneven march toward digital transformation, Joodala represents a breed of engineer increasingly in demand: fluent in code, fluent in cloud, and fluent in responsibility.



Anusha Joodala, Java Developer

Engineering The Future of Finance with Cloud and Ledger

"Bridging legacy banking and digital innovation to build resilient, user-centred financial systems"

Vamshi Krishna Dasaraju, Senior Engineer



Money moves in microseconds, yet the underlying technology often lags behind this speed, constrained by decades-old infrastructures. The real revolution in finance is not just about digital payments or flashy apps; it is about rethinking the foundation on which financial trust and utility rest. The transition toward cloud-native platforms and distributed ledger technologies is quietly reshaping how millions manage money, but it requires a blend of deep engineering rigor and a nuanced understanding of end-user needs to succeed.

Vamshi Krishna Dasaraju's career exemplifies this convergence. Rather than being defined solely by his technical expertise, his work reflects a holistic approach that links infrastructure modernization with product usability. He has been active in enhancing critical systems, from preventing fraud in Amazon's Marketplace ecosystem to advancing payment innovations such as peer-to-peer transfers in PayPal and Venmo, as well as installment services in the Largest bank in the US with its Buy-Now-Pay-Later offering. Impressively, his approach steers clear of buzzwords and focuses on making banking technology intuitive and dependable. "The best technology in finance is invisible but

unmistakably present," he added.

A dynamic voyage through his career is marked by an uncommon combination of skills: an industrial engineering mindset applied to supply chains and semiconductor devices, followed by a pivot to financial technology grounded in cloud computing and ledger systems. Central banking systems often depend on monolithic mainframes that resist change. The expert's priority is clear:

"In finance, technology works best when it's invisible yet reliable—bridging legacy systems and modern innovation to create financial experiences people can trust every day."

replace these with agile, scalable cloud architectures that reduce turnaround times for feature deployment and maintenance, while ensuring security and uptime. This perspective addresses an industry-wide bottleneck that many recognize but few have successfully tackled.

One cannot overstate the

importance of operational resilience in financial networks managing trillions in assets. Vamshi develops and oversees automated pipelines for software delivery and testing that maintain these critical systems' stability. These pipelines must be robust enough to handle frequent updates without disrupting service, an essential feature in a world where outages translate into lost trust and substantial financial risks. "Adaptability is the currency of trust," he explains, emphasizing that technical excellence must translate directly into enhanced user experience.

Ultimately, what distinguishes Vamshi's contributions is his ability to bridge complexity and clarity. He creates systems engineered for scale but designed with the human user in mind, whether that user is transferring funds across continents or simply splitting a dinner bill. In today's interconnected economy, even seemingly small financial interactions depend on vast, intricate networks operating behind the scenes. His work charts a nuanced path from legacy constraints toward technology that empowers people, signaling a redefinition of what modern banking can and should be. This redefinition is not merely technical, it is fundamentally about reshaping the relationship between financial institutions and the individuals they serve.



Inside the Technological Innovations in Online Shopping: Udit Agarwal

Online shopping has evolved from convenience to necessity. With trends such as AI, personalized shopping and mobile-based experiences, Udit Agarwal stands at the intersection of this evolution. With a career spanning technology, eCommerce, payments, and GenAI infrastructure, Agarwal is actively shaping how billions will and are interacting with digital marketplaces.

Building the Modern Commerce

Agarwal's journey through Walmart and Google reads like a blueprint for the current era of connected commerce. He has developed APIs that power data exchange for large marketplaces, such as sending inventory data from Nike to Walmart, so that the two companies can work towards shared goals.

Later, at Google, he brought similar precision to payments,

"Udit Agarwal on building the backbone of modern e-commerce"



navigating the labyrinth of global compliance and evolving sanctions to make transactions smooth and easy.

From designing delivery technology for Walmart's in-house drivers to refining marketplace platforms used by millions of sellers and buyers, his work consistently bridges e-business excellence with engineering reality.

Shaping the GenAI Shopping Trend

Today, Agarwal is at Google Shopping today. "In the next age of shopping online, Gen AI-driven item finding and payment completion experiences will be key," he says.

"Very few companies have the knowledge to launch Gen AI-based shopping experiences. Experiences like agent-based procurement are relatively new but are expected to change the landscape of how people buy products," he continues.

Agarwal has developed reusable libraries and infrastructure for creating Gen AI features, established well-defined APIs for consistency in computational operations, and developed company-to-company integration models to ensure the smooth functioning of the projects.

For Agarwal, technology isn't just about building platforms; it's about finding the right product fit, managing expectations, and setting clear matrices. Whether it's faster deliveries, payments, or smarter AI-driven shopping, his work continues to influence how digital commerce connects businesses and consumers globally.

The Software Force Behind Tomorrow's Intelligent Automotive Systems

Veera's journey in automotive software reveals how he transformed vehicle safety, security, and comfort through innovation.



Once a world dominated by gears, pistons, and steel, the automotive industry is undergoing an extraordinary transformation. The cars of yesterday, purely mechanical machines, are evolving into intelligent platforms where complex software orchestrates everything, from ensuring passenger safety to enhancing comfort and connectivity. This revolution isn't just technical; it's redefining how we relate to vehicles, as software engineers fuse deep hardware knowledge with innovative code to create safer, smarter, and more efficient automobiles. The future of mobility depends on this seamless dance between hardware and software, where every vehicle function is enhanced through innovative programming that anticipates and adapts to drivers' needs in real time.

Veera Venkata Krishnarjun Rao Adabala is one such visionary. Beginning his career driven by a passion for embedded systems, Veera quickly recognized the expanding potential of software to enhance vehicles in ways previously impossible. His journey took him deep into the heart of automotive electronics: designing software for power lift gates, sliding doors, and innovative latching systems. By combining accelerometers, radar, and advanced protocols, the innovator created smart, safe, hands-free

door features adaptable to conditions.

But Veera's story is not only about feature development. He faced the rising menace of cyber threats head-on, developing cybersecurity measures compliant with rigorous automotive safety regulations to protect vehicles' electronic control units. This work safeguards drivers from emerging vulnerabilities, merging traditional safety with modern security.

The expert's innovative spirit also addressed electric vehicles' pressing challenge, battery efficiency. He developed smart power management with sleep modes and sensor-activated wake-ups to save battery life efficiently. Such forward-thinking solutions make electric vehicles more practical and reliable for everyday users.

A landmark in Veera's career has been his pioneering work with haptronics technology, a fusion of physics and software that enriched how vehicle doors "feel" and respond, blending engineering precision with sensory experience. His natural curiosity and problem-solving skills have allowed him to link between mechanical motion and digital control.

More than a tale of technical achievement, Veera's journey embodies the spirit of innovation and adaptability in a fast-evolving industry. His story is a testament to how software engineers quietly power the intelligent vehicles of



Veera Venkata Krishnarjun Rao
Senior Electronic Software Engineer

"Great technology isn't just about what it can do—it's about creating smarter, safer vehicles that genuinely improve people's lives."

tomorrow, driving progress in safety, connectivity, and comfort.

Today, Veera stands not only as a technical expert but as a leader and visionary, guiding teams to innovate with purpose and precision. His work continues to shape safer roads and smarter vehicles, blending creativity with discipline to solve complex challenges. Veera believes that true innovation comes from empathy and perseverance, saying, "Great technology isn't just about what it can do, but how it improves lives."



Mr. Ashutosh Pratihast
Founder & CEO, IDIGITALPRENEUR

IDIGITALPRENEUR: A Global Movement For Digital Empowerment

In the era of digital transformation, Mr. Ashutosh Pratihast stands as a visionary leader shaping the future of education and entrepreneurship.

Founded in 2020, his venture iDigitalPreneur has rapidly emerged as one of India's fastest-growing edtech platforms. As the Founder and CEO, he has built a ₹100 Cr+

bootstrapped company that empowers individuals to learn, earn, and lead in the digital world.

What began as a small initiative has today grown into a global movement, reaching learners and digital entrepreneurs beyond India's borders. Through its innovative programs and real-world training, iDigitalPreneur is helping people across countries gain digital skills, build income streams, and embrace entrepreneurship in the new economy.

With a 1.6M+ YouTube community and 445K+ followers on Instagram, Mr. Pratihast has become a mentor to millions. His practical, relatable sessions on growth, mindset, and digital success continue to inspire aspiring creators and entrepreneurs worldwide.

A 2X TEDx and Josh Talks speaker, Mr. Pratihast has represented India at prestigious global platforms including the Oath Ceremony of Prime Minister Shri Narendra Modi, the BRICS Youth Council at Mansarovar Global University, and the G20 Summit, where he highlighted India's youth-driven entrepreneurial energy.

In 2023, he also organized India's biggest youth festival ASTITVA, powered by iDigitalPreneur, a grand celebration of innovation and empowerment that united young changemakers from across the nation.

Beyond his ventures, he is also the Co-Founder of NamAstro, an emerging astrology and wellness app, an angel investor supporting new startups, and a musician.

Blending education, innovation, and purpose, Mr. Ashutosh Pratihast continues to lead iDigitalPreneur toward a future where digital empowerment knows no borders, inspiring a generation to dream global and grow limitless.



Shishira Bhowmik

Founder-Director, Praanisha Healthcare LLP | CEO,
The Gut Odos | Food Scientist | Clinical Researcher
– Human Gut | MBA, International Business

India's Gut Health Revolution: The Gut Odos Story

Where Indian sciences meet
nanotech for preventive healthcare

Gut health is rapidly moving from wellness trend to scientific frontier, and India may soon have a global contender leading this shift. The Gut Odos, a pre-launch nutraceutical venture founded by Shishira Bhowmik, an alumna of Imperial College London, is positioning itself as a science-first disruptor in preventive healthcare.

Bhowmik's journey began in the laboratories of Imperial College, where she worked on in vitro

digestion models — systems that mimic the human digestive process outside the body. "It gave me a front-row seat to how nutrients are absorbed and how the gut silently governs health outcomes," she recalls. What she noticed, however, was a stark gap. While science recognizes the gut as central to immunity, cognition, hormones, and resilience, the market often reduces it to superficial ideas of "detoxes" or "quick resets."

That gap gave rise to The Gut

Odos. Unlike lifestyle supplement labels that promise instant fixes, the venture is built around bioavailable, nanotechnology-driven nutraceuticals designed for measurable impact. Each product, Bhowmik emphasizes, is rooted in natural, stable, and side-effect-free formulations — marrying innovation with safety.

The timing could not be more significant. India is home to a paradox: an increasingly health-conscious population, yet wellness solutions are often fragmented, imported, or lacking robust scientific grounding. By blending global scientific research with indigenous Indian knowledge systems, The Gut Odos seeks to offer a uniquely credible and scalable alternative.

"We are creating in India, for the world," says Bhowmik. "Our mission is to elevate gut health from a lifestyle trend to the very foundation of preventive healthcare."

Beyond product innovation, The Gut Odos is positioning itself as a sustainable and socially responsible venture. Ethical sourcing, eco-conscious practices, and reinvestment into community health form the backbone of its growth model. "A healthcare brand cannot claim credibility if it does not also serve the society and environment it draws from," Bhowmik adds.

The company's ambitions are bold. Just as fintech reshaped banking, The Gut Odos hopes to reframe preventive healthcare. Gut health, it argues, is not a side conversation but the anchor of well-being. And India, with its confluence of ancient sciences and modern innovation, could lead this global shift.

Though still in its pre-launch phase, the venture is gearing up to introduce its first formulations soon. More than a product reveal, Bhowmik believes this moment will signal a change in narrative: that the gut is not simply the site of digestion, but the place where the future of healthcare will be written.



Ashraf Syed, Techinal Lead

Building Enterprise Magic At The Speed of Thought

How Ashraf Syed transforms complex systems into secure, scalable digital experiences with Oracle APEX

Some ideas begin quietly but grow to redefine entire industries. Such is the story of a tool many once overlooked as simple app software, but that has since revolutionized how enterprises solve complex problems quickly and securely. This story is about vision, skill, and relentless innovation shaping modern software development.

Ashraf Syed, a Senior Oracle APEX Developer and Technical Lead, is at the heart of this transformation. Over the past 14 years, Ashraf has turned Oracle APEX from an underestimated platform into a powerful engine, creating secure, scalable

applications across healthcare, finance, and manufacturing. His approach marries rapid development with deep technical mastery, enabling solutions that serve thousands while meeting the highest standards of security and performance. "When others need months, I deliver in days," he added, emphasizing speed without compromise.

Early in his career, Ashraf faced a daunting challenge: modernizing a legacy public health system crucial for vaccination scheduling and vital records management. Rather than a lengthy rebuild, he leveraged Oracle APEX's rapid application capabilities to create a secure, efficient platform able

to handle thousands of users and meet strict data privacy laws. This leap forward transformed public health operations for an entire state, streamlining workflows and improving access to essential services.

His journey continued as a leading financial institution struggled with regulatory compliance. The expert led efforts to rebuild risk and compliance applications, automating audit processes and strengthening access controls. This work restored compliance and shielded the organization from hefty penalties. Simultaneously, he guided an automotive finance firm through a digital migration, creating intuitive tools that cut manual effort and empowered better decision-making. Each project demonstrated his skill in balancing urgency with sustainable, high-quality development.

Ashraf also recognizes challenges like the shortage of skilled Oracle APEX developers, limited mobile responsiveness, and legacy system integrations. He champions better training, richer documentation, and stronger community engagement as keys to unlocking wider adoption and innovation.

Looking forward, Ashraf is excited by AI's potential to enhance low-code development. He envisions generative intelligence streamlining design, testing, and optimization, blending human creativity with automation, a partnership set to reshape software engineering's future.

Ashraf Syed's journey exemplifies how vision and expertise within a niche can drive lasting impact. From early public health systems to today's enterprise solutions, he continues to lead the way in building faster, smarter, and more secure digital experiences, one purposeful application at a time. His journey is a testament to how dedication, innovation, and vision can turn challenges into opportunities, showing that with the right approach, even the simplest tools can change the way the world builds the future.

Vignesh Alagappan: Connecting The Dots Between Tech, Energy, And Everyday Life



Vignesh Alagappan
Sr. Manager, Principal Ecosystem

A water heater rarely screams high-tech innovation, yet for Vignesh Alagappan, turning ordinary appliances into smart, sustainable machines is less a job and more a craft. With a career spanning automotive infotainment systems, IoT platforms, and now HVAC innovations, Vignesh has quietly been at the intersection of technology, energy, and user experience for nearly two decades.

Vignesh first hit the fast lane in the automotive world, crafting telematics systems that brought infotainment dashboards to life for global names like BMW, Jaguar, Ford, and Toyota. Here, he honed a rare combination of skills: firmware engineering, cloud connectivity, cybersecurity, and product management. This eclectic toolkit made him adept not just at building technology, but at thinking through the full lifecycle of a product from engineering to adoption.

Today, he applies this mindset at Rheem Manufacturing, America's largest water heater and HVAC company. His mission? Turn everyday water heaters into smart energy-saving devices that help homeowners and utilities alike. Through features like demand energy response and patented load-shifting algorithms,

Vignesh is optimizing energy usage without asking users to compromise comfort.

"Water heaters and HVAC systems account for nearly half of daily energy consumption," he notes. "A small tweak in efficiency has a ripple effect on the grid and sustainability goals."

What makes Vignesh stand out in a crowded tech landscape is his ability to straddle worlds that rarely meet. Within Rheem, he's the lone engineer with end to end knowledge of firmware, cloud infrastructure, and data management for hundreds of thousands of connected units. His insights don't stay in house, he contributes to global standards like the Matter specification through the Connectivity Standards

💡 **"True innovation isn't just about building apps—it's about creating secure, scalable solutions that solve real problems fast, without compromising quality or trust."**

Alliance, helping ensure consumer devices can communicate securely and seamlessly worldwide.

For Vignesh, innovation isn't about flashy bells and whistles it's about tackling the hard problems that actually move the needle. From architecting robust software update mechanisms at Panasonic to building machine learning models for predictive energy management at Rheem, he thrives on projects that test the boundaries of technology and logistics. Challenges abound, balancing cost, reliability, and next gen tech in devices deployed by millions is no small feat. Yet Vignesh navigates them with the same precision he applied to his first automotive infotainment project reading, analyzing, and building expertise from first principles.

For Vignesh, the thrill is in the invisible impact: systems running efficiently, energy saved, and consumers unknowingly benefiting from a carefully engineered ecosystem. "If the technology is seamless, people don't notice but the effect is visible," he says. It's a philosophy that underpins his work and defines the rare breed of engineers who shape the infrastructure of everyday life while keeping an eye on the planet.

How Arjun Warriar is Engineering Trust into Healthcare AI

Arjun Warriar
Customer Success Manager



In healthcare technology, innovation rarely moves in a straight line. Every new idea must navigate a maze of regulations, legacy systems, and ethical boundaries. But for Arjun Warriar, an expert in AI-driven integration and interoperability architectures, those boundaries aren't barriers — they're blueprints.

Warrior has spent his career designing HIPAA-compliant, enterprise-scale systems that connect healthcare, pharmaceutical, and life sciences data with intelligence and precision. His work ensures that sensitive clinical information flows securely and efficiently across institutions — not despite regulation, but because of it.

We sat down with Arjun to explore how his philosophy of "compliance by design" is shaping the next frontier of healthcare integration.

OB You often say AI should "enable compliance, not complicate it." What does that mean in practice?

In healthcare, compliance isn't a checkbox — it's the core of trust. Many systems treat regulation like a hurdle to innovation. I see it as part of the design itself. With our AI governance frameworks, every model we deploy is auditable, explainable, and regulator-ready. That means no black boxes. We've consistently achieved over 95% accuracy in predictive analytics while maintaining 100% HIPAA compliance and perfect audit trails.

OB Your recent work on agentic AI integration platforms has



drawn a lot of attention. What makes it transformative?

It's redefining how healthcare systems communicate. By combining natural language automation with decision intelligence, we're creating smart integration layers that can bridge older infrastructures with modern digital ecosystems seamlessly. This allows health data platforms to operate in real time across networks serving millions of patients. The result? True interoperability — intelligent, scalable, and secure.

OB Balancing innovation with regulation sounds challenging. How do you strike that balance?

By designing systems that respect both innovation and oversight. Using Integration Platform-as-a-Service (iPaaS) frameworks, we've built solutions compliant with FHIR R4 and HL7 v2/v3 standards, which accelerate data exchange and simplify compliance audits. The

outcomes are tangible — faster data flow, reduced operational costs, and ROI improvements exceeding 170%. Compliance doesn't slow us down; it strengthens what we build.

OB This intersection of AI, regulation, and integration sounds highly specialized. How rare is this expertise?

Very. Globally, there are perhaps 50 to 75 professionals with deep, healthcare-specific experience in agentic AI for interoperability. It's a niche skill set, sitting at the crossroads of healthcare data, AI ethics, and enterprise integration. But that's where the most meaningful transformation is happening — where innovation meets accountability.

In an industry where even milliseconds can save lives, Arjun Warriar's work proves that the future of healthcare AI won't be built by breaking rules — but by engineering them into the system itself.

Ravikanth Konda: Powering AI From Cells to Smart Cities

Technology should do more than react—it should anticipate. From cells to smart cities, my work is about building AI systems that are proactive, scalable, and truly transformative for people and communities.

Ravikanth Konda
Software Application Engineer



Konda began with an innovative research in biomedical imaging. During his Ph.D. at University of Melbourne, funded by NICTA and WEHI, he developed automated cell tracking software for time-lapse microscopy, enabling researchers to monitor immune cells with precision. The work laid the groundwork for applications in drug discovery, immunology, and real-time clinical diagnostics. His Master's thesis on AI Video Surveillance foreshadowed his impact on smart cities and public safety, using video analytics to understand and manage crowds.

At reputed Australian Organization on AI Research & Development (2009–2015), Konda translated theory into action. He led projects in AI Smart City and Surveillance solutions for airports and municipalities including International Airports and Transport NSW enhancing traffic flow, safety, and surveillance. His work in casino gaming analytics optimized operations for Australian Casinos, while the Enforcement Solution empowered Australian Councils with AI-driven insights.



From 2016 to 2023 at an Australian University, He developed integrated software like AI-driven platforms for enrolment, retention, and eLearning, CRM, Human Capital Management, Student Management Systems, AI recommendation engines and Cloud migration. These projects transformed digital experiences for students and staff, making university operations smarter, faster, and more personalized, all aimed at providing a 360-degree student view.

Currently at Meta, he focuses on Software Integrations and services, for Care Platform, Reality Labs, especially case management for Meta Products and Services, including intake from Meta.com, WhatsApp,

etc. Data migration of 50 million records, Agentic AI and Automations to enhance agent and customer interactions and workflows. His work ensures seamless integration, efficiency, and scalability across global operations.

Across sectors, Konda's work reflects innovation and impact. From healthcare to smart cities, enterprise AI, and digital services, his contributions enhance decision-making, operational efficiency, and user experience. The end applications of his research and projects extend to clinical diagnostics, urban infrastructure, public safety, operational intelligence, and digital transformation, leaving a tangible societal and technological footprint.





Rajalakshmi Srinivasaraghavan: Optimizing AI from Silicon to Software

“From hardware accelerators to software optimization, Rajalakshmi Srinivasaraghavan on building systems that make artificial intelligence smarter and more efficient.”

We all want better and faster AI. Rajalakshmi Srinivasaraghavan is trying to do just that by turning complexity into performance. With expertise spanning AI, hardware enablement, and system optimization, she is bridging the gap between hardware and high-performance AI software.

Making AI Smarter and Faster
Rajalakshmi's work focuses on enabling AI workloads across diverse hardware platforms.

Enthusiastic about the mathematical foundations of AI, at the centre of her contributions is IBM POWER architecture, where she has optimized AI accelerators and Matrix Multiply Assist (MMA) features, critical tools that speed up the large-scale calculations AI depends on. Her optimizations have reduced latency and boosted throughput, making enterprise AI applications faster and more efficient.

“I enjoy pushing every system to its limits—from low-level libraries to full AI models,” she says. Her interest spans software optimization, performance tuning,

and open-source integration. She tells us that by enhancing core Linux libraries and refining AI execution paths, Rajalakshmi has delivered performance improvements of 30–50% on critical workloads. She combines the knowledge of linear algebra, AI models, and hardware architecture to create end-to-end solutions.

She also engages with open-source communities, contributing to software ecosystems. Beyond her technical contributions, she believes and actively contributes to a culture of collaboration, experimentation, continuous learning, and strategic thinking, so that innovation can continue well beyond individual projects.

Gaps in AI Infrastructure

Despite rapid growth in AI, Rajalakshmi sees key gaps: software stacks are often optimized only for x86 or GPU architectures, performance tuning tools remain mostly manual, and AI accelerators often lack software support across platforms. She suggests developing intelligent, self-optimizing systems, creating robust model translation and optimization pipelines that adapt code to diverse hardware targets and building standardized, modular enablement layers that abstract hardware differences and accelerate adoption to address some of the issues without manual intervention.

A Vision and Passion

Through her contributions, Rajalakshmi's interest is clear: to unlock the full potential of AI by optimizing mathematical foundations and connecting hardware performance with intelligent software. Her interests can allow organizations to harness computing power, optimize workloads, and accelerate AI performance across industries.

As AI continues to expand, Rajalakshmi Srinivasaraghavan is proving that breakthroughs are as much about optimization as they are about innovation.

The Nexus Engineer: Bridging Quality, Data, and Sustainable Industry

Sainyam Arora, Quality Assurance and Systems Engineer



In a world where innovation and responsibility often diverge, Sainyam Arora represents a new generation of engineers, those who believe progress must be intelligent, sustainable, and human-centered. A Quality Systems and Chemical Engineer by training, he operates at the intersection of Quality, Data, and Sustainability, redefining how modern manufacturing can work with precision and conscience.

At Johnson Matthey, a global leader in sustainable technologies, Sainyam is shaping the future of industrial excellence. He began his journey in the Clean Air sector, strengthening the quality systems behind auto-catalyst production, technology vital for reducing vehicular emissions. Today, as part of the CATACEL™ SSR team in Savannah, he ensures this next-generation solution for Steam Methane Reformers in cleaner hydrogen production meets the highest global standards of reliability and “Right First Time” manufacturing.

His leadership in implementing ISO 9001:2015 Quality Management Systems and Layered Process Audits has enhanced operational precision and embedded a culture of lean accountability across the plant.

Before joining Johnson

“True industrial progress isn’t just about efficiency—it’s about embedding quality, sustainability, and data-driven insight into every process, so innovation serves both people and the planet.”

Matthey, Sainyam worked at KCF Technologies, contributing to the company's innovation portfolio. There, he explored advanced temperature and vibration analytics to expand predictive maintenance capabilities, bridging raw data with intelligent action. His work helped industries reduce downtime and anticipate failures, contributing to over \$38 million in client savings and reinforcing his ability to make technology meaningfully human.

Long before industry, values guided his path. At Pennsylvania State University, his foundational research focused on bio-based nanocellulose lubricants, sustainable alternatives to petroleum-derived products. This

commitment to green materials continues to shape his approach to integrating sustainability into industrial quality systems.

Beyond the factory floor, Sainyam is a passionate advocate for ideas and innovation. As Content Director at TEDxPennState and TEDxSavannah, he has helped amplify voices of changemakers, translating complex STEM concepts into stories that inspire public imagination.

He also serves as Awards and Recognition Chair on the Board of the Lean Enterprise Division of American Society for Quality, celebrating global innovators and Lean Six Sigma leaders who drive industries forward. Through this, he contributes to a broader ecosystem that values intelligent, responsible growth.

For Sainyam, quality is more than compliance, it's character. His journey, from researching sustainable materials to leading quality systems in global manufacturing, shows how young professionals can drive impact at the intersection of Quality, Sustainability, and Data. As industries accelerate toward automation and digitalization, voices like his remind us that true progress begins not with machines, but with mindsets.

Atul Lad: Innovating High-Rises Through Technology-Driven Construction Excellence



In the world of high-rise construction, where every detail can ripple across schedules and budgets, Atul Lad stands out as a bridge between cutting-edge technology and hands-on execution. Specializing in high-rise residential and mixed-use projects, Atul doesn't just oversee plans he ensures they come to life with precision, efficiency, and foresight.

Atul's approach is deeply tech-driven. He leverages BIM-based constructability reviews, takt planning, and digital takeoffs to anticipate challenges before they reach the jobsite. Platforms like Procore, OpenSpace, and Autodesk Construction Cloud are not just tools for him, they are part of a real-time system that transforms complex workflows into actionable intelligence. Known on his projects as the "door and hardware expert," he meticulously coordinates access control, shop drawings, and field verification, ensuring every element is compliant, functional, and optimized for long-term performance.

Beyond individual components, Atul views every building as a dynamic ecosystem. He integrates energy-efficient systems, storm-resistant features, and green spaces, creating structures that are sustainable, safe, and human-centric. Real-time dashboards allow him to track procurement, manpower, and inspections, while scenario planning ensures that any design change whether owner-driven or value-



Atul Lad
Construction Project Engineer

engineered can be evaluated for downstream impacts on schedule, cost, and installation. This proactive, data-first mindset keeps projects on track, reduces waste, and mitigates risk.

Atul stands out because he is a person who connects both worlds, the digital world and the physical world. While fluent in tools like AutoCAD, Bluebeam, and Procore, he is equally present on-site, measuring, verifying, and problem-

“Technology isn't just a tool in construction—it's the bridge between design and reality, ensuring every high-rise is built with precision, sustainability, and foresight.”

solving in real time. Every decision is evidence-driven: photos, notes, and measurements back up every recommendation, ensuring clarity, accountability, and seamless coordination between office and field.

In the future, Atul is considering artificial intelligence-based analytics, intelligent scheduling, and complete construction ecosystems. He sees a future where projects are made dynamic, materials are digitized to be delivered optimally as well as cross-functional teams working with a level of visibility and accuracy never seen.

For Atul Lad, technology is not an add-on, it's central to transforming construction into a responsive, intelligent system. Through his work, high-rises are more than buildings; they are engineered for performance, sustainability, and lasting impact. In a field where delays and errors can be costly, Atul's integration of tech and hands-on expertise is setting a new benchmark for what the future of construction looks like.

Inside the Mind of An Enterprise Architect: Siva Kalaiselvan's Journey Through Complexity

“Technology should never just automate; it should illuminate. The real power of enterprise systems lies in helping people see connections they didn't know existed and make decisions with clarity.” — Siva Kalaiselvan



On a busy Monday morning, thousands of orders crisscross warehouses, trucks, and retail floors. Each SKU, each shipment, each transaction carries a story and somewhere behind the scenes, Siva Kalaiselvan is orchestrating the invisible logic that keeps it all moving. For Siva, enterprise systems are not just software; they are living networks of people, processes, and data and understanding how they interact has defined a career spanning two decades.

Siva's journey didn't begin in boardrooms or cloud labs; it started on the factory floors of manufacturing plants and the fast-moving aisles of FMCG. From chemicals to fashion, he's seen how complexity hides in plain sight. Whether it was a production delay in Europe or a data bottleneck in Asia, the pattern was the same: too many moving parts, not enough connection. That realization became his north star to design systems that don't just run organizations, but help them think.

Today, his work touches some



of the most intricate operations in enterprise technology. His expertise lies in integrating SAP ecosystems from S/4HANA and IBP to CAR, Ariba, and Fiori while weaving in AI-assisted development tools that make supply chain planning sharper and smarter. Challenges like inventory inefficiencies, sluggish reverse logistics, and fragmented omnichannel operations aren't abstract puzzles to him; they're opportunities to build systems that see the big picture. His approach rests on three principles: clarity, adaptability, and human-centric design.

Innovation, in Siva's world, rarely arrives with fanfare. Blockchain enabled inventory tracking, AI-powered software lifecycles, and robotic process automation aren't buzzwords on a slide they're quiet revolutions designed to reduce friction and free people to focus on what truly matters. Balancing forecasting models across thousands of SKUs demands not

just technical precision but the intuition to align systems with human needs a balance Siva has spent his career perfecting.

Across ERP transformations, post-merger integrations, and global supply chain redesigns, one idea drives his work, technology's true measure lies not in lines of code, but in how it enables people and processes to work better together. Enterprise systems, in his view, are not just digital frameworks, they're thinking structures for navigating complexity.

Siva Kalaiselvan's story reminds us that in a world obsessed with data and digital acceleration, progress still depends on something profoundly human the quiet architecture behind the scenes, the systems that anticipate, the processes that connect, and the people who design with empathy. Because the future of enterprise technology isn't just smart it's thoughtful.





What Empathetic Engineering Leadership Looks Like: Lessons From Aishwarya Babu

“Engineering leadership isn’t just about shipping code, it’s about building cultures where people can thrive,” says Aishwarya Babu, an Engineering Manager currently leading high-impact teams in Seattle. With over a decade in the software industry, including a transformative tenure at Amazon, Aishwarya exemplifies the kind of leadership the tech world needs more of: strategic, human-centered, and deeply scalable.

Starting her career as an individual contributor at Amazon, she spent over six years

“Engineering leadership isn’t just about shipping code, it’s about building cultures where people can thrive.”

architecting scalable, customer-facing systems before stepping into management. “Having built systems from the ground up gave me the empathy to lead engineers effectively,” she reflects.

At Amazon, she led feature development for various digital subscription products with 10M+ subscribers globally. Her technical roadmaps weren’t just ambitious, they were outcome-driven. She held a high bar for operational excellence with a focus on proactive monitoring and faster response mechanisms. Over time, she introduced system-wide improvements that led to significantly increasing platform stability.

Scaling More Than Just Systems

As a people leader, the professional’s influence extends far beyond code. She mentors engineers, manages career growth, and aligns technical delivery with business goals across product, UX, and compliance. Her day-to-day spans the full software development lifecycle, from roadmap planning to regulatory audits.

She also takes pride in her role as someone who has conducted over 150 interviews across roles. “Hiring is not just about finding talent, but shaping the future of a team. That’s a responsibility I never take lightly.”

Aishwarya’s academic research into AI-enhanced performance reviews and hybrid team dynamics suggests a leader constantly thinking ahead. Her vision is to evolve into roles that steward larger organizations while nurturing future engineering talent. “Leadership to me is a long game. It’s about investing in people, in culture, and in sustainable tech ecosystems.”

This individual may not chase the spotlight, but her impact is unmistakable. Whether it’s scaling systems to serve millions, mentoring the next generation of engineers, or rethinking how teams can thrive in a hybrid world, she brings clarity, empathy, and precision to the table.

In an industry hungry for scalable innovation and inclusive leadership, Aishwarya is gladly setting a new standard, where engineering excellence meets human-first leadership.

Inside the Mind of An AI Systems Architect: Amit Jha’s Pursuit of Responsible Intelligence

Amit Jha, Sr. Program Analyst

If data is the new oil, Amit Jha has spent his career making sure it doesn’t spill. In a world obsessed with acceleration faster chips, faster learning, faster everything he’s quietly engineering a different kind of speed: one guided by purpose.

As an AI systems architect, Amit stands at the intersection of intelligence, security, and design building systems that think faster but act wiser. For him, technology isn’t a race to outsmart humans; it’s a collaboration that must understand them.

“Technology should simplify, not intimidate,” he says. “If it doesn’t make someone’s day easier, it’s not intelligent it’s just automated.”

Early in his career, Amit found himself in the middle of a data storm that could have paralyzed entire workflows. Timelines were tight, resources stretched thin, yet data when treated right became the calm in the chaos. He built analytics systems that didn’t just report problems but anticipated them, turning hindsight into foresight. “Data shouldn’t be a post mortem,” he laughs. “It should be a survival instinct.”

That instinct matured into a philosophy, teach machines to adapt, not just compute. In his later projects, he focused on designing systems that could learn empathy from patterns anticipating user



“Technology should simplify, not intimidate. If it doesn’t make someone’s day easier, it’s not intelligent — it’s just automated.”

needs, optimizing performance seamlessly, almost invisibly. “When your device starts to feel like it understands you,” he smiles, “that’s when technology crosses from useful to human.”

But Amit’s favorite kind of engineering isn’t technical it’s cultural. As a mentor and Agile

coach, he’s helped teams move from rigid hierarchies to flexible, trust-based ecosystems. The secret, he insists, isn’t in process or software it’s in people. “Agility isn’t about moving faster,” he says. “It’s about removing the fear of failure.”

Now, as he explores the frontiers of AI-driven infrastructure and sustainable computing, Amit is chasing a new kind of intelligence one that is both smart and sensitive. “Smarter machines shouldn’t mean a heavier planet,” he reflects.

From decoding data storms to humanizing algorithms, Amit Jha’s work reads like a quiet manifesto for the future: that real intelligence isn’t just artificial it’s accountable.

Why India Needs More Awareness And Education On Fertility Care

Dr. (Prof) Shweta Mittal Gupta
General Secretary, Indian Fertility Society



India is home to nearly 30 million couples struggling with infertility, yet awareness about fertility health remains alarmingly low. Despite remarkable medical advancements, stigma, silence, and myths often delay couples from seeking timely help. Normalizing fertility conversations, much like we do for diabetes or hypertension, is essential for both prevention and early intervention.

Awareness must begin early. Introducing reproductive health education in schools and colleges equips adolescents and young adults with knowledge about menstrual health, fertility cycles, and lifestyle choices. This foundation empowers individuals to make informed decisions later in life, including timely planning for conception or fertility preservation. Both men and women benefit from understanding how age, lifestyle, and medical factors can influence fertility, allowing them to take proactive steps when the time comes to start a family.

The Indian Fertility Society (IFS) has been instrumental in shaping the fertility landscape in India. Through education, training, and awareness programs, it provides clinicians with tools to deliver high-quality, ethical care while setting professional standards and encouraging collaboration across the field. IFS also drives outreach initiatives in tier 2 and tier 3 cities, ensuring accurate information reaches communities that often

lack access to specialist care. Through platforms like Fertygyaan, an initiative by IFS in collaboration with Ferty9, professional guidance is translated into structured public education, normalizing conversations, dispelling myths, and building trust through transparent communication.

Breaking myths remains a critical task. Misconceptions such as infertility being solely a woman's issue or treatments being unsafe not only delay care but also increase emotional and financial strain. Counseling and structured education are vital to counter these barriers, guiding couples toward realistic expectations, healthier lifestyles, and evidence-based treatments.

Accessibility is another pressing challenge. Couples in smaller towns and rural areas often lack exposure to fertility education and resources. IFS addresses this through community workshops and outreach programs that extend reliable information beyond major cities. Clinics such as Ferty9 and institutions like Sir Ganga Ram Hospital demonstrate how structured awareness campaigns, counseling, and digital education can make fertility knowledge more inclusive and approachable, ensuring timely support for couples across geographies.

To truly scale awareness, India must integrate fertility education into public health

literacy. This includes embedding reproductive health in school curricula, promoting workplace wellness programs, leveraging media to normalize conversations, and strengthening community outreach. Collaboration between professional societies and responsible clinics ensures public messaging is accurate, consistent, and impactful, empowering couples to make informed choices about their reproductive health.

Equally important is ensuring safety and ethics in fertility care. Adherence to strict protocols, standardized training, and global-quality lab practices safeguard outcomes and reinforce patient trust. Societies like IFS provide guidelines and training that clinics implement in practice, creating networks where patients can rely on consistent, ethical, and transparent care.

Infertility is a medical condition, not a personal failing. With today's safe and effective treatments, early consultation can significantly improve outcomes. Seeking help is an act of strength, not weakness. Millions of couples worldwide have built families through medical support, and in India, progress is being driven every day by committed clinicians, professional societies, and centers that combine science with compassion. The first step begins with awareness and taking it can make all the difference.

Pawan Aggarwal



Harshit Aggarwal

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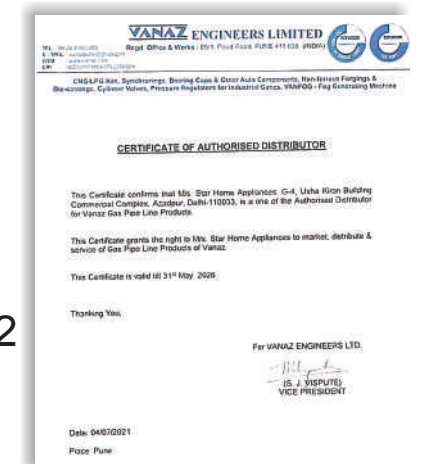
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