

GAURAV BHATNAGAR

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SUMMARY

Senior technology executive with 24+ years of leadership across AI/ML platforms, GenAI transformation, embedded systems, and large-scale engineering organizations. Proven record of delivering measurable business outcomes across AWS Products, FinTech, Advertising, consumer technology, and startup environments. Experienced in building production platforms, scaling cross-functional teams, and translating strategy into commercial impact. Current focus includes autonomous systems, drone software, startup execution, investor traction, and early commercial partnerships.

EXECUTIVE CAPABILITIES

AI/ML platform strategy, GenAI and agentic systems, multi-agent orchestration, LLM evaluation, production MLOps, GPU-optimized inference, cloud-native architecture, autonomous systems, embedded and edge integration, team scaling, stakeholder leadership, product strategy, operating model design, investor engagement, partner development, and business transformation.

EXPERIENCE

VIGILRONYX AI PVT. LTD. | Bengaluru

Co-Founder & CTO | Feb 2026 -- Present

- Delivered a demo-ready autonomous drone software stack in 90 days, leading interns and junior developers to complete successful demonstrations across two virtual environments. Enabled real-hardware deployment within one week by defining the required hardware architecture and de-risking hardware-software integration.
- Built a high-output intern delivery model within two months, turning early-stage contributors into a productive engineering team delivering quality software.
- Established onboarding, NDA, offer letter, and project definition processes for the startup by creating a scalable operating framework.
- Generated 6+ investor interests through the pitch deck and outreach strategy.
- Secured 1 MOU and advanced 3 more through OEM partnership strategy.
- Created customer design-partner strategy that generated interest from 3+ prospects.
- Launched a LinkedIn growth strategy that improved investor and customer visibility.

AMAZON | Bengaluru

Engineering Head -- AWS Quick Business Suite, India | Mar 2025 – Jan 2026

- Improved business data quality by 50% in 3 months and reduced inference costs by 30% by architecting and deploying a multi-agent LLM orchestration platform for Quick Chat.
- Reduced customer-reported issues by 90% in 1 year by leading the GenAI transformation roadmap across AWS Quick Business Suite and replacing legacy anomaly detection and forecasting with transformer-based LLM solutions.
- Accelerated time-to-production by 40% by defining agentic workflow architecture, LLM evaluation pipelines, and cross-product MLOps standards for a 40+ member engineering and data science organization.

Engineering Head -- Receivables Tech India | Apr 2019 -- Mar 2025

- Cut manual effort by 30% by building and scaling an end-to-end document AI and automation platform for financial receivables.
- Boosted cash flow by 30% and reduced bad debt by 20% by architecting real-time ML-based financial risk profiling models.

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- Delivered multiple BFSI automation products with a 100+ member multidisciplinary team by leading engineering, ML engineering, and data science across multi-city environments.
- Established organizational standards for responsible AI deployment by implementing AI governance, explainability frameworks, bias detection, and regulatory compliance guardrails.

Sr. Technical Program Manager -- India Advertising Technology | Mar 2017 -- Apr 2019

- Achieved a 10x improvement in relevance metrics with proportional revenue growth by driving an India-sponsored product optimization program that integrated advanced ML models into advertising systems.
- Doubled ML model efficiency for Indian advertisements by partnering with applied science and ML research teams to architect scalable feature engineering pipelines and optimize model serving latency.

CISCO INDIA | Bengaluru

Engineering Manager | May 2008 -- Mar 2017

- Launched 10+ world-first set-top box solutions across multiple countries by leading 100+ technical team members and managing distributed engineering teams across geographies.
- Reduced infrastructure costs by 80% by conceptualizing and architecting STB Gateway solutions for enterprise deployments.
- Led architecture and design of complex video streaming and broadcast technologies, managing technical teams to deliver large-scale, high-throughput consumer electronics solutions.

EARLY CAREER | 2001 -- 2008

Software engineering roles at HCL Technologies and STMicroelectronics

- Built foundational expertise in embedded systems, C/C++ development, and large-scale software delivery.

EDUCATION

- Indian School of Business (ISB), Hyderabad -- CTO Program
- Symbiosis Centre for Distance Learning (SCDL), Pune -- Post-Graduate Diploma in Business Administration (Marketing Management)
- Institute of Engineering & Technology (IET), Lucknow -- B.Tech in Computer Science & Engineering

AWS CERTIFICATIONS

- Developing Generative AI Solutions | Optimizing Foundation Models | Responsible AI Course | Essentials of Prompt Engineering | Cloud Essentials | Getting Started with Cloud Acquisition | AI Practitioner

PATENTS

- Anonymization of User Data for Privacy across Distributed Computing Systems | Jan 2022
- Invented privacy-preserving data transformation techniques enabling secure ML model training on sensitive financial data across distributed systems.

THOUGHT LEADERSHIP & INDUSTRY ENGAGEMENT

- Active contributor to AI/ML engineering discussions on LinkedIn with focus on GenAI platforms, agentic AI, and enterprise MLOps best practices.
- Internal technical speaker at Amazon on LLM evaluation frameworks, multi-agent orchestration patterns, and responsible AI deployment in production.