

GANESH JAGADEESAN

Seasoned Data Science leader with 19+ years of experience in machine learning, predictive analytics, and crafting impactful, data-driven solutions. Currently transitioning into a strategic leadership role focused on Generative AI, Agentic AI, and MCP-based AI architectures. Seeking a position such as VP – Data Science, Head of AI/Architecture, or CTO – AI to drive innovation through the development of autonomous, LLM-driven systems. Eager to architect RAG-based, multi-agent AI platforms that scale business intelligence and catalyze digital transformation across industries.

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Executive Profile

Key Impact Areas

- **Visionary AI Leader** with deep hands-on expertise in architecting enterprise-grade, agentic AI ecosystems and a strategic mindset for enabling AI-first transformations. Strong foundation in Generative AI, RAG pipelines, and MCP-based orchestration, with a focus on building autonomous, LLM-driven systems that drive intelligent decision-making and scalable operations.
- **Proven success in delivering 70–80% process efficiency gains and audit-ready automation** across ITSM, MDM, Risk, and Compliance domains by leveraging open-source innovation, cloud-native technologies, and multi-agent frameworks such as LangChain, CrewAI, and Ollama.
- **Recognized as an AI Solution Architect** with a track record of designing modular, scalable infrastructures integrating seamlessly with platforms like ServiceNow, IBM MDM, and Kafka. Experience leading cross-functional AI Centers of Excellence, scaling high-performance teams, and executing deep-tech innovation sprints aligned with GTM strategies and executive OKRs.
- Demonstrated expertise in architecting autonomous RAG pipelines using ChromaDB and hybrid vector stores, and in establishing end-to-end MLOps frameworks encompassing CI/CD, feature stores, and governance layers.
- **Global exposure across India, North America, and Europe**, driving GenAI deployments in high-compliance sectors and translating AI investments into measurable business outcomes. Known for bridging technology and business through inclusive leadership, stakeholder alignment, and team mentorship.
- Positioned to deliver strategic impact in senior leadership roles such as VP, Head of AI, or CTO, with a core value proposition focused on building future-ready, autonomous AI systems that enable digital transformation, operational resilience, and scalable innovation.

Education & Certifications

- Pursuing MBA – upGrad School of Management (04/2024 - 07/2025)
- Diploma in Computer Technologies – Sriram Polytechnic College, Chennai (2003)
- Advanced Certificate Program in Generative AI – upGrad (Apr 2024 – Sep 2024)
- PGP in Artificial Intelligence & Machine Learning – Great Lakes (Jul 2019 – Dec 2020)
- Post Graduate Program in Data Engineering – SimpliLearn (Jun 2021 – Dec 2021)

Key Projects

-  **Swift Messages Checker Automation** – Automated validation, correction, and quality assurance of SWIFT message datasets.
-  **Bank Securities Message Classification** – Automated classification of intraday service messages, streamlining manual processes.
-  **Service Now Integration and MDM Automation** – Led the design and implementation of an AI-driven automation framework integrating ServiceNow and MDM.
-  **AI-Driven Cybersecurity Investigation Workflow** – Achieved enhanced efficiency in cybersecurity operations by automating alert triage, investigation, and reporting processes, reducing response time and manual effort.

Technical Skills

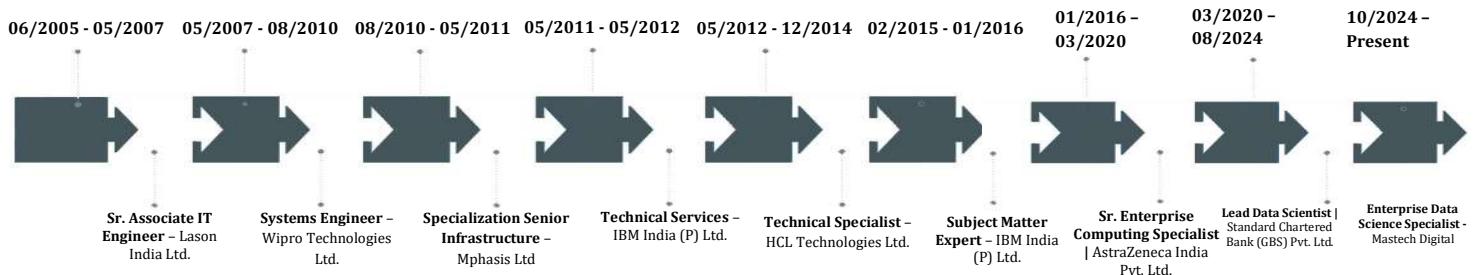
- Generative AI & Agentic AI Solutions
- RESTful API Development & Integration
- Data Visualization (Tableau, Power BI)
- Predictive Modeling & Statistical Analysis

- Data Integration & ETL Processes
- MLOps & Model Deployment Strategies
- Cloud Computing (AWS, Azure)
- Advanced Machine Learning Algorithms Techniques

Soft Skills



Career Timeline



Latest Professional Experience

Digital Engineer Staff Engineer | Mastech Digital | 7/2024 – Present

- AI Architect

Enterprise Data Science Specialist | Mastech Digital | 10/2024 – 7/2025

- Accelerated enterprise AI adoption by 70% by architecting and deploying scalable, cloud-native AI and data platforms across multi-tenant, multi-region environments—ensured high performance, cost-efficiency, and compliance with global standards.
- Established enterprise-wide architecture governance frameworks, aligning technical strategy with business goals, security protocols, and regulatory mandates—enhanced delivery consistency across global hubs.
- Led high-impact, cross-functional teams across AI, data engineering, DevOps, and MLOps to deliver end-to-end, production-grade solutions—cut development cycles and improved time-to-value.
- Scaled global data science teams and productized AI/ML solutions, directly contributing to top-line growth and enhanced customer experience across key business verticals.
- Delivered full-cycle advanced analytics programs, from ideation and rapid experimentation to deployment, monitoring, and optimization—enabled sustainable business insights and competitive advantage.
- Fostered a data-driven culture enterprise-wide, embedding AI and analytics into strategic decision-making by engaging with C-suite leaders and operational stakeholders.
- Launched enterprise-grade AI capabilities from scratch, including LLM Ops, RAG pipelines, and Agentic AI systems—built reusable frameworks that reduced GTM timelines by 80% and scaled effectively across use cases.
- Drove 40–50% YoY growth in strategic accounts across APAC, EMEA, and North America by leading transformative AI engagements and delivering contextual, domain-specific AI solutions.
- Reduced data latency by 80% by architecting intelligent analytics and real-time decision-support pipelines—empowered faster, insight-driven decision-making across business units.
- Improved SLA adherence by 45% through agile process transformation across SalesOps, Risk, and Compliance—enabled automation-driven efficiency and better cross-functional collaboration.

Lead Data Scientist | Standard Chartered Bank (GBS) Pvt. Ltd. | 03/2020 – 08/2024

- Architected advanced ML frameworks for strategic functions such as demand sensing, anomaly detection, dynamic pricing, and data correction—ensured model interpretability and operational impact through causal modeling and domain-aligned decision systems.
- Designed enterprise-grade AI/ML solutions by tightly coupling data science methodologies with business objectives—converted complex data signals into actionable intelligence to accelerate decision-making and business outcomes.
- Led architecture and delivery of end-to-end ML pipelines, from ideation to deployment—specialized in building high-precision, scalable forecasting models tailored to high-impact enterprise use cases.
- Engineered robust, production-ready data and ML pipelines, seamlessly integrating enterprise systems with AI-driven applications to ensure real-time analytics, high availability, and scalable deployment.
- Designed and deployed scalable MLOps frameworks to automate the end-to-end ML lifecycle—including model training, versioning, validation, deployment, and monitoring—enhancing model reproducibility, governance, and reducing time-to-production by 80%.
- Developed a reusable, modular AI solution architecture, emphasizing configurable and parameter-driven components to maximize development efficiency, reusability, and scalability across geographies and business domains.
- Spearheaded the rollout of a unified ML operations pipeline, enabling scalable AI deployment across global markets—enhanced system readiness for go-live while ensuring compliance, security, and operational integrity.
- Pioneered innovation in feature engineering and model optimization, leveraging deep statistical analysis and machine learning to drive measurable business value in pricing strategy, risk mitigation, and demand forecasting.

Sr. Enterprise Computing Specialist | AstraZeneca India Pvt. Ltd. | 01/2016 – 03/2020

- Spearheaded enterprise-wide data visualization initiatives, leveraging advanced techniques to transform complex healthcare datasets into intuitive visual narratives—empowering clinical and executive decision-making at scale.
- Led the development of interactive, real-time dashboards to track critical KPIs across patient outcomes, operational efficiency, and compliance—enabled data-driven quality improvement initiatives across the healthcare continuum.
- Directed advanced analytics programs to uncover actionable insights from large-scale, multi-source healthcare data—guided clinical strategies and informed high-stakes policy decisions.
- Championed data-driven methodologies and AI-powered tools to elevate patient-centered care, optimize treatment pathways, and enhance value-based healthcare delivery.
- Institutionalized data literacy through structured training programs, upskilling cross-functional teams in data visualization and analytics—fostered a culture of analytical thinking and continuous improvement.
- Ensured data integrity, security, and regulatory compliance by aligning architecture and analytics frameworks with HIPAA and other healthcare regulations—collaborated closely with IT and governance teams to mitigate risk and maintain audit readiness.



Personal Details

Date of Birth: 4th March 1982

Location: Chennai

Languages Known: English and Tamil