

EDUCATION

Data Science Architect Masters/ IBM Data Scientist Certification, Intellipaat, Bangalore.
Bachelor of Engineering in Civil, Sri Krishna College of Technology, Coimbatore.

Apr 2022 — Apr 2023
Aug 2008 — Apr 2012

EXPERIENCE

- Consultant Generative AI (Full Time)** July 2024 — January 2025
InMobi Bangalore
 - Built a CrewAI-based content generation engine, utilizing agentic workflows for scalable and contextually accurate content solutions.
 - Developed LLM-based contextual engines utilizing pre-trained models to achieve high text similarity metrics.
 - Designed scalable back-end systems using FastAPI, ensuring high-performance game advertisement product pipelines.
 - Created structured prompting techniques to ensure accuracy in text-to-image generation tasks.
 - Utilized multi-modal models across text, image, and audio to enhance the quality and contextual relevance of generated content for advertisement projects.
 - Utilized the NoSQL database MongoDB and Docker for containerization, ensuring consistent version control and deployment.
 - Built and deployed an LLM POC model using FastAPI on Azure, making sure it runs smoothly, scales efficiently, and integrates well with cloud services.
- Generative AI Research Assistant (Full Time - Remote)** Mar 2024 — Apr 2024
Ethos Engine AI Canada
 - Established research methodologies for zero-shot forecasting using GPT-based time series models (LLMTime), enabling predictive analysis of feed consumption, growth, and environmental impact with minimal reliance on historical data.
 - Established research methodologies for AI-powered anomaly detection systems using image recognition and temperature monitoring to detect contaminants in livestock feed, ensuring high-quality standards and animal health.
 - Evaluated the ethical and practical implications of AI models, addressing biases, scalability, and accuracy challenges in generative and traditional AI frameworks.
- Junior AI Engineer- Generative AI (Full Time)** Mar 2023 — Feb 2024
Honey Iconics Coimbatore
 - Leveraging AI in digital marketing strategies can lead to a 10 percent increase in campaign engagement.
 - Fine-tuning large language models (LLMs) for personalized content creation
 - Developed and implemented AI-powered tools to optimize SEO strategies, including keyword analysis, content recommendation, and performance prediction, resulting in improved search engine rankings and organic traffic. .
- Junior Data Analyst (Full Time)** Aug 2021 — Apr 2022
KVB Central Office Karur
 - Responsible for data cleaning to ensure accuracy, consistency and reliability of data sets.
 - Developed feature engineering techniques to improve the performance of the predictive model and extract meaningful insights.
 - Created and delivered impactful data visualizations using Python libraries such as Matplotlib, Seaborn, and Plotly to communicate findings to stakeholders.

SKILLS

Programming: Proficient in Python, R, SQL, Javascript
LLMs: RAG, Fine-Tuning, NLP, Vector DB, multimodal LLMs and LLMs function calling
Graph Flows: Graph RAG Principles
Generative AI: LLMOps, AI Agents, RAGs
Databases: SQL, NoSQL, Neo4j
Software Engg: Design, develop, and deploy production-ready systems

CLOUD PLATFORM PROFICIENCY

- Querying data with SQL in AWS Athena.
- Proficiency in Azure for deploying and managing AI applications.

AI INITIATIVES AND CURRENT ENDEAVORS

- Proposed an innovative idea on Humanoid Robots Self-Awareness on Hospital War Room Settings for a US-based company.
- Build Multi AI Agent Systems Using Crew AI.