G. SIVA KUMAR

Generative AI Engineer

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SUMMARY

Generative AI Engineer with 3+ years of experience building LLM-powered applications using RAG and multi-agent systems. Hands-on experience delivering production-grade AI systems in healthcare, insurance, and procurement, with measurable impact on automation, cost optimization, and decision accuracy.

SKILLS

- **Languages:** Python, SQL
- **LLM & GenAI:** RAG, Multi-Agent Workflows, MCP, Prompt Engineering
- **Frameworks:** FastAPI, LangChain, LangGraph, Streamlit, TensorFlow
- **Vector Databases:** FAISS, Azure AI Search
- **Databases:** MySQL, Firebase
- **Techniques:** Machine Learning, Deep Learning, NLP
- **Tools:** Git, GitHub

WORK EXPERIENCE

Generative AI Engineer (Freelance)   *Nov 2025 – Present*
Gainhub Technologies Pvt Ltd

Project: Procurement AI Dashboard

- Built **AI-driven procurement analytics** platform using **LangChain**, **FastAPI** and **Streamlit** to analyze vendor pricing and material data across **8+** manufacturing plants.
- Implemented **cheapest-vendor** identification, reducing manual effort by **50–60%**.
- Designed a **pricing anomaly detection system** to flag cross-plant quote inconsistencies, improving detection coverage by **40–45%**.

Generative AI Engineer   *June 2022 – Sept 2025*
Cognizant Technology Solutions Pvt Ltd

Project: Provider Contract and Amendment Extraction & Validation

- Designed **multi-agent system** using **LangGraph** to orchestrate **RAG-based contract validation**.
- Extracted key parameters from unstructured contracts using **Azure Document Intelligence** and indexed them in **Azure AI Search** for **semantic retrieval**.
- Validated contracts against Facets reference data, reducing manual review effort by **45%**.
- Improved validation accuracy by **35%** and reduced cycle time by **50%**.

EDUCATION

Bachelor of Technology in Electrical and Electronics Engineering   *May 2018 – June 2022*
Amrita Vishwa Vidyapeetham, Tamil Nadu

CERTIFICATIONS

- PGP in AI & ML – *Great Lakes Learning & Texas McCombs School of Business (2023 – 2024)*
- Data Science & ML – *Great Lakes Learning & Massachusetts Institute of Technology (MIT)*