

Kiran C

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Professional Summary

AI Engineer with 3 years of software engineering experience specializing in **Python, FastAPI, Generative AI, LLM applications**, and scalable AI-powered backend systems. Experienced in LLM integration, **RAG, prompt engineering, agentic AI workflows, AI orchestration**, vector databases, **REST APIs**, and **microservices**. Skilled in building production-grade GenAI solutions integrating enterprise systems, databases, external APIs, and **human-in-the-loop automation**. Proven ability to **deliver AI solutions end-to-end** across architecture, development, evaluation, deployment, CI/CD, monitoring, and production troubleshooting.

Experience

Genpact

Software Engineer

Oct 2023 – Present

Bengaluru, Karnataka

Cisco – AI-Assisted Sales Comp Orchestrator

- Independently **designed and deployed** a Python automation platform that reduced Sales Compensation validation from ~60 minutes to <10 minutes, delivering ~83% faster execution.
- Built a **unified orchestration layer** integrating Playwright for SSO/MFA-protected OPR workflows and a custom Node.js/TypeScript MCP server for SAP BusinessObjects REST APIs. Leveraged **Devin as an AI-assisted Tool** with **GitHub Copilot** for assisted code generation, development support and technical documentation
- Accomplished a **data-driven validation framework** with Excel-configured filters, formulas, tolerances, and cross-source reconciliation, reusing 5 validation patterns across ~60% of test coverage.

Cisco – COEC

- Designed **Python/FastAPI backend services** for LLM, RAG, and Drift token-tracking workflows to monitor token utilization and support AI cost management.
- Built an end-to-end **Webex notification workflow** using Snowflake pipeline data to detect case-status changes and deliver automated status updates.
- Implemented **SQL-based data processing and API integrations** across Snowflake, FastAPI, and Webex services for reliable notification delivery.

Cox Communications

- Developed **Python/Selenium automation workflows** for repetitive email processes, reducing manual operational workload by 40%.
- Automated **SFTP file transfers** using Linux shell scripting and **cron**, processing 500 files/day and reducing manual operational effort by ~60%, improving reliability of enterprise data exchange workflows.

Genpact

Software Engineer- Intern

Mar 2023 – Jul 2023

Bengaluru, Karnataka

NextGen E-Commerce

- Developed an end-to-end e-commerce application for product discovery and online shopping, using **Node.js** and **Express.js frameworks** for implementing **backend REST APIs**, database schemas, and frontend workflows.
- Implemented web-data scraping and **integrated processed data** into **MongoDB**; collaborated on **stakeholder requirements** following **Agile/Sprint** based development.

Technical Skills & Achievements

Backend: Python, FastAPI, REST APIs, Microservices, Pydantic, Express.js, Node.js

AI/GenAI: LLM, RAG, Prompt Engineering, Embeddings, Vector Search, LangGraph, AI Agents

Databases: MySQL, PostgreSQL, MongoDB, Snowflake, Pinecone

Cloud/Tools: GCP, AWS, Linux, Git, Docker, Postman, New Relic

Core: OOP, System Design, DSA, Database Design, Concurrency, Agile

Certifications/Awards: Google Cloud Certified - Associate Cloud Engineer, IEEE Best Paper Award – Fitness EDA using Advanced PySpark

Education

BMS College of Engineering

Master of Computer Applications (CGPA: 8.84/10)

2022-23

Bengaluru, Karnataka

St.Philomenas College

Bachelor of Science (CGPA: 8.72/10)

2018-21

Mysuru, Karnataka