

Kunal Kaushal

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LinkedIn | GitHub | LeetCode | Portfolio

Generative AI Developer focused on building RAG-based systems and backend applications, with hands-on experience in deploying LLM-powered pipelines and integrating them into real-world workflows.

Skills

Programming	Python, C/C++
CS Fundamentals	Data Structures & Algorithms, Operating Systems
AI & ML	RAG, FAISS, SentenceTransformers, LangChain, LLM Integration (Gemini, LLaMA), Agentic Workflows
Frameworks	Google ADK, Gemini Enterprise
Backend Development	REST API Development, Flask, FastAPI
Cloud & DevOps	Docker, GCP (Cloud Run), AWS (EC2, S3, IAM)
Databases	SQL, NoSQL, SQLite, Firestore

Technical Projects

Sentinel SOC Dashboard GitHub

Python, FastAPI, RAG, LLaMA 3.1, SQLite

- Architected a RAG-based threat analysis system processing 10,000+ security log entries per session using FAISS vector search and SentenceTransformers.
- Developed a multi-stage attack detection layer for contextual kill chain analysis.
- Implemented persistent attack memory using SQLite to track repeat offenders across sessions.
- Built a FastAPI backend and Streamlit dashboard for live SOC-style attack visualization.

Archon GitHub

Python, Gemini LLM, FAISS, BM25, LangChain

- Built a production-ready local RAG pipeline enabling chat over 500+ documents without Docker or cloud infrastructure.
- Implemented hybrid search (dense + sparse) improving retrieval precision over standard vector search.
- Leveraged Google Gemini 2.0 Flash for lightweight and efficient generation across technical document collections.

Multi-Agent Leave Management System GitHub

Python, Google ADK, Firestore, SendGrid

- Built a multi-agent workflow using 5 specialized agents orchestrated via Google ADK and Gemini 2.0 Flash.
- Structured agent outputs for sequential execution across multiple agents.
- Integrated SendGrid API for automated email workflows reducing manual HR processing time by ~80%.

Education

GL Bajaj Institute of Technology and Management Greater Noida, UP
B.Tech in Artificial Intelligence & Machine Learning Oct 2023 – 2027

Certifications

AWS Cloud Foundations