

SUJEET KUMAR

FULL STACK & Gen-AI
DEVELOPER
PROBLEM SOLVER

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Summary

Computer Science undergraduate specializing in AI and Data Science with hands-on experience in full-stack web development and Generative AI systems. Built production-deployed projects using React, Node.js, LangChain, LangGraph, and RAG-based multi-agent architectures. Strong foundation in data structures and algorithms with 300+ problems solved. Seeking a software development or AI/Gen-AI engineering internship to apply and expand technical skills in real-world systems.

Education

Indian Institute of Information Technology Manipur Aug 2023 – Present
B.Tech in Computer Science and Engineering (AI & Data Science)
CGPA : 7.12

Technical Skills

Languages: C/C++, TypeScript/JavaScript, Python
Frontend: React.js, TailwindCSS
Backend: Node.js, Express.js, FastAPI, WebSocket
Databases: PostgreSQL, MongoDB, Redis, ChromaDB (Vector DB)
Gen-AI & LLM: LangChain, LangGraph, RAG, Prompt Engineering, AI Agents, Vector Embeddings, Google Gemini API
DevOps & Tools: AWS [EC2, S3, CloudFront], Docker, Linux, Prisma ORM, Git, Monorepo

Projects

CodeBase-ai : codebase(github repo) Intelligence Assistant GitHub | Live

- Built a **multi-agent RAG system** using **LangGraph** that routes queries across **6 specialist AI agents** Q&A, bug root-cause analysis, diagram generation, auto documentation, impact analysis, and repo onboarding.
- Designed an **ingestion pipeline** that clones any GitHub repo, parses **15+ file types**, chunks and embeds code using **HuggingFace sentence-transformers**, and stores in **ChromaDB** vector store for semantic retrieval.
- Implemented **auto Mermaid diagram generation** (ER, DFD, Architecture, Class diagrams) directly from source code using **Google Gemini 2.5 Flash**.
- Deployed live on **Streamlit Cloud** — publicly accessible; accepts any public GitHub repo URL as input.

Two in One Application : Note-Mania & Password-Manager GitHub | Live

- Developed a full-stack monorepo application integrating a **Daily Notes Tracker** and a secured **Password Management System**.
- AI Summary:** Integrated an AI engine to provide one-click summarization, **reducing note-revising time by 40%** and making revision more efficient.
- Implemented secure **OAuth authentication** for user access and **bcrypt-hashing** with random salt-rounds for credential storage.
- Secure Sharing:** Engineered a database-level authorization system for note sharing with an automated **3-day TTL (Time-to-Live) expiration**, ensuring secure access and privacy.
- Handled 100k+ number of concurrent users during testing.
- Containerized the application using **Docker**, orchestrating **frontend**, **backend**, and a local **PostgreSQL** database.

Key Achievements

- Secured **2nd Rank** in **Fenomenon'26 offline CP Contest** among **500+ participants** — MTU, Imphal.
- Solved **300+ DSA problems** this year across platforms like **LeetCode** and **CodeChef**, strengthening problem-solving and algorithmic skills.
- Best Rankings of CodeChef contests: **1741 out of 35k+** competitors.

Certification

- Fundamentals of Generative AI** — Amazon Web Services (AWS)
- Docker Essentials** — IBM
- Introduction to Information Retrieval (90%)** — NPTEL(Swayam)
- Business Intelligence Analytics (82%)** — NPTEL(Swayam)
- Graph Theory** — AlgoUniversity