

Aman Nayak

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SUMMARY

Resourceful software engineer turned AI engineer, specializing in building intelligent systems using LangChain, LLMs, and vector databases. Strong foundation in software development. Experienced in developing AI-driven applications that integrate NLP, semantic search, and RAG pipelines, with practical deployment in real-world products.

SKILLS

- Python programming , Jenkins automation.
- LangChain framework.
- RAG pipelines development.
- OpenAI API integration.
- Chroma database , Vector search capabilities.
- Firebase platform , Firestore database management.
- API integration skills.
- Git version control.

WORK EXPERIENCE

Height8 TechnoLogies Pvt Ltd. - Software Engineer (AI Integration) Aug 2024 - present

- Integrated LangChain and OpenAI APIs into Flutter-based applications.
- Designed RAG pipelines using Chroma and FAISS for semantic document retrieval. Built Python backend modules for embedding generation and LLM orchestration.
- Collaborated with frontend teams to integrate AI-driven results with mobile UI using REST APIs.

Amar InfoTech - Flutter Developer Feb 2024 - Jan 2024

- Developed multi-service mobile app integrating Broadband, Cable, and OTT/Live TV streaming.
- Implemented secure authentication, REST API integration, and data synchronization.
- Worked with encrypted URL decryption for GISL (Gujarat ISP Services Ltd).

PROJECTS

Some Project

[Link to Demo](#)

- AI Knowledge Assistant (LangChain - Chroma) built a local knowledge-based chatbot using LangChain and Chroma for contextual Question and Answer, and implemented embedding generation and persistent vector storage for offline usage.
- Personalized content generator created a generative AI pipeline using OpenAI GPT APIs for article and summary generation.

EDUCATION

2025 BTech (CSE) at **OP Jindal University** (CGPA: 7.8/10.0)

2021 AISSCE (79.8 percent)