

# Aman Nayak

 [username](#) |  [username](#) |  [amannayak774@gmail.com](mailto:amannayak774@gmail.com) |  +91 8103681487

## 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)