

HARSHIT KADYAN

AI/LLM Engineer | Python Developer | GenAI & RAG Specialist

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Profile Summary - AI/ML Engineer with hands-on experience building LLM, RAG, and NLP-powered applications using Python, LangChain, FastAPI, and vector databases. Experienced in developing production-ready AI solutions with measurable improvements in retrieval accuracy and response quality.

Education

B.Tech in Computer Science Engineering (2022–2026)

GD Goenka University | CGPA: 7.95/10

CBSE (PCM), St. Mary's Convent Sr. Sec. School (2021–2022)

Percentage: 70%

Experience

Python Developer Intern | ADG Online Solutions | Jan 2026 - June 2026

- Developed and deployed an **Academic Assistance System** with LLM, RAG, Deep Learning, and NLP.
- Built RAG pipeline with vector embeddings achieving ~40% reduction in hallucinations during evaluation.
- Assessed 100+ chatbot responses for relevance, accuracy, and consistency, improving output quality during testing.
- Performed exploratory data analysis on a 5,000+ row dataset using Pandas and Matplotlib, identifying key trends.
- Collaborated with international clients for requirement understanding and solution delivery in an Agile environment (Git/GitLab, Trello).

Projects

Academic Assistance System [GitHub](#)

Python, FastAPI, LangChain, FAISS

- Developed an LLM-powered academic assistant utilizing RAG architecture for context-aware question answering
- Implemented document preprocessing, chunking, and FAISS vector embeddings for efficient similarity search
- Achieved <300ms average retrieval latency on indexed document corpus with the help of optimized chunking strategy
- Used retrieval + generation pipeline to enhance factual accuracy and reduce hallucinations by ~40%

Team Task Manager [Live Demo](#)

Node.js, PostgreSQL, Vercel, Neon [GitHub](#)

- Engineered a full-stack team task management application with real-time task assignment, status tracking
- Deployed on Vercel and Neon — accessible live at [Team Task Manager](#)
- Designed **3-panel responsive UI** (Portfolio, Project Execution, Task View) with priority management across **3 levels** (High, Medium, Low)

AI Chatbot [GitHub](#)

Python, Flask

- Designed a full-stack chatbot handling interactive user inputs and generating contextual responses
- Tested and Analyzed 100+ interactions to Enhancing response relevance and reducing incorrect outputs
- Integrated basic prompt-response logic and output validation techniques
- Gained deep understanding of conversational AI behavior and evaluation criteria

AI-Based Medical Diagnosis System

Python, Machine Learning

- Architected ML symptom-classification system achieving **~85% Precision** on test dataset
- Coordinated team-based system design, data validation, and output quality

Technical Skills

- **Programming Languages:** Python, C++, SQL
- **AI / ML & GenAI:** LLM Engineering, RAG, LangChain, FAISS, Prompt Engineering, NLP, NumPy, Pandas, Scikit-learn, PyTorch, Matplotlib, OpenAI API, Hugging Face Transformers, LlamaIndex, Agentic AI, Gemini
- **Web / Backend:** Flask, FastAPI, Django, HTML, CSS, JavaScript, Node.js
- **Databases:** MySQL, PostgreSQL, Vector Databases (FAISS)
- **Tools:** Git, GitHub, GitLab, Trello, Render, Vercel, Neon, Visual Studio Code, Microsoft Excel
- **Core CS:** Data Structures & Algorithms, OOP, DBMS, Operating Systems

Certifications

- Computer Vision – NPTEL, IIT Kharagpur
- Python Programming Certification - **Udemy**