

SUMMARY

Final-year Computer Science student with experience in GenAI systems at EY (LLMs, LangChain, FAISS) and AWS deployment at Deloitte. 3× published AI researcher with strong skills in Python, FastAPI, React, and full-stack AI product development.

SKILLS

Programming	Python, C, SQL, JavaScript
AI/ML	LangChain, LLMs, FAISS, TensorFlow, Keras, Scikit-learn
Data Tools	Pandas, NumPy, Matplotlib, GARCH
Web & APIs	FastAPI, React, Node.js, REST APIs, PostgreSQL
Cloud & DevOps	AWS (EC2, S3, Lambda), Git, Docker, Kubernetes
Other	MongoDB, JIRA, NLTK, Chart.js

EDUCATION

Manipal University Jaipur	Jaipur, Rajasthan
B.Tech in Computer Science and Engineering	Sept 2022 – Present
• 2× Student Excellence Award — 3× Published Researcher	

WORK EXPERIENCE

Ernst & Young (EY)	Delhi, India
AI Intern, Generative AI & RAG Systems	May 2025 – Present
• Developed enterprise-grade RAG chatbot using LangChain, FAISS, and Gemini APIs, improving response accuracy by 30%	
• Built scalable ingestion and chunking pipelines with embedding optimization for real-time queries	
• Integrated prompt workflows with proprietary document stores to automate internal knowledge retrieval and compliance	
Deloitte Touche Tohmatsu LLP	Gurugram, Haryana
Software Engineering Intern, Cloud Computing (AWS)	May 2024 – July 2024
• Completed hands-on training on AWS services including EC2, S3, Lambda, IAM, and CloudWatch	
• Practiced real-world deployment scenarios involving cloud architecture, scalability, and security	
• Engaged in knowledge-sharing sessions on cloud optimization, infrastructure design, and AWS tooling	

PROJECT WORK

Unified Knowledge Platform-An Enterprise RAG Chatbot	May, 2025 – July, 2025
• Tech Stack : LangChain, FAISS, Gemini API, Python	
• Built an internal enterprise chatbot using RAG (Retrieval-Augmented Generation) for document Q&A	
• Integrated vector search (FAISS) and prompt workflows to boost response accuracy by 30%	
• Optimized document chunking and embeddings for contextual precision	
CrisisReport-A Crowd-Sourced Disaster Reporter	May, 2025 – July, 2025
• Tech Stack : React.js, Flask, MUI, Leaflet.js, Axios, Framer Motion, REST APIs, flask-cors	
• Built a full-stack disaster reporting platform for real-time incident uploads and emergency response	
• Developed Flask APIs with CORS and integrated React, MUI, and Leaflet for interactive reporting	
• Enabled map-based feeds, drag-drop uploads, and live donation/resource access	
Product Sentiment Analyzer (Full-Stack NLP App)	March, 2025
• Tech Stack: FastAPI, React, NLTK, PostgreSQL	
• Developed a full-stack app to classify user reviews using custom NLP logic and real-time API calls	
• Designed a clean React UI with dynamic charts and visual sentiment indicators	
• Built preprocessing + storage pipeline with PostgreSQL backend	
Hybrid Stock Price Prediction Model	January, 2025
• Tech Stack: LSTM, GARCH, TensorFlow, Keras, Python	
• Engineered a hybrid deep learning model combining LSTM (sequential) and GARCH (volatility) networks	
• Achieved $R^2 = 0.9901$, $RMSE = 0.0125$ on S&P 500 data using rigorous error analysis	
• Submitted findings for publication in peer-reviewed research venues	
Railway Ticketing Chatbot (Rule-Based NLP)	May, 2025
• Tech Stack: Python, NLTK	
• Created a rule-based chatbot for train ticket booking using keyword mapping and intent classification	
• Simulated booking flow with text interface, input validation, and query classification logic	

PUBLICATIONS

CML 2025: Skin Disease Detection using CNN+GAN models on ISIC dataset (Accuracy: 96.3%, Grad-CAM used for interpretability)
ICAESRTA 2K25: Hybrid BiLSTM-GRU model for S&P 500 forecasting ($R^2 = 0.9901$, $MAE = 0.0101$)
Journal: Role of AI in Radiology and Medical Diagnostics – Published in *Cuestiones de Fisioterapia* (2025)

HONORS & AWARDS

Student Excellence Award (×2): August 2024 and March 2025
HackX Finalist (2024): Reached final round of Manipal University’s premier hackathon
Paper Presentations: Presented at CML 2025 (Skin Disease AI) and ICAESRTA 2K25 (Stock Forecasting)