

Tushar Saxena

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EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering

8.49

Nov 2022 - Aug 2026

TECHNICAL SKILLS

Languages: Java, Python, Apex, SQL

Libraries: LangChain, OpenAI API, PineCone, TensorFlow, Keras, Streamlit

Cloud & DevOps: Amazon Web Services (EC2, S3, Lambda, DynamoDB, CloudFront), Salesforce (Apex, AgentForce, Lightning Web Components, Sales cloud, Service cloud, Data cloud), Git, Docker, Github actions (CI/CD)

INTERNSHIP

Data Science Intern | Sabudh Foundation

July 2025 - present

- Designed and implemented a multi-agent framework using LangChain to handle complex queries by breaking them down into sub-tasks for specialized AI agents
- Enhanced the traditional Retrieval-Augmented Generation (RAG) pipeline by incorporating agentic workflows, leading to a significant improvement in response accuracy and a reduction in model hallucinations

PROJECTS

Multi-Agentic RAG with agents | LangChain, LlamaIndex, OpenAI API, Pinecone

August 2025

- Developed a multi-agent RAG system with LangChain to deconstruct complex user queries, boosting response accuracy by 40% over single-model baselines
- Reduced model hallucinations by 35% by implementing specialized agents for query routing, evidence retrieval, and response synthesis

LSTM-Based CCTV Crime Prediction Model | OpenCV, TensorFlow, Keras, Streamlit

April 2025

- Engineered an LSTM-based model using TensorFlow and OpenCV to analyze 10K+ CCTV frames, for early crime detection
- Achievements: Delivered a robust model with an F1 score of 0.87, outperforming traditional methods by 30% in predictive accuracy and enabling scalable real-time crime detection

Stock Analysis Based on Social Media Sentiments | BeautifulSoup, Scrapy, PRAW, TextBlob

Dec 2024

- Developed a NLP-driven machine learning model to forecast stock movements by analyzing sentiment from 2,000+ Reddit posts
- Achieved 75% accuracy in forecasting stock movements and improved sentiment precision by 15% over benchmark Sentiment models.

CERTIFICATIONS

Certified Salesforce Developer | Ethnus

Applied Machine Learning | University of Michigan

CO-CURRICULAR

Summer of Bitcoin | Participant

March 2025

- Selected from a competitive pool of students globally and advanced to second round to contribute to open-source Bitcoin protocol projects
- Worked on improving scalability and privacy features of Bitcoin Core through Python contributions
- Enhanced hands-on experience with decentralized technologies and open-source collaboration

EXTRACURRICULAR

Model United Nations (MUN) | Delegate (5 Conferences)

- Participated in 5 MUN conferences representing countries on topics such as global health, and digital trade
- Drafted and negotiated resolutions by building consensus and collaborating with other delegates
- Honed skills in public speaking, policy research, and structured debate