

Tushar Saxena

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EDUCATION

VIT Bhopal University <i>Bachelor of Technology in Computer Science and Engineering</i>	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 <i>Sabudh Foundation</i>	July 2025 - present
<ul style="list-style-type: none">Designed and implemented a multi-agent framework using LangChain to handle complex queries by breaking them down into sub-tasks for specialized AI agentsEnhanced 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 <i>LangChain, LlamaIndex, OpenAI API, Pinecone</i>	August 2025
<ul style="list-style-type: none">Developed a multi-agent RAG system with LangChain to deconstruct complex user queries, boosting response accuracy by 40% over single-model baselinesReduced model hallucinations by 35% by implementing specialized agents for query routing, evidence retrieval, and response synthesis	

LSTM-Based CCTV Crime Prediction Model <i>OpenCV, TensorFlow, Keras, Streamlit</i>	April 2025
<ul style="list-style-type: none">Engineered an LSTM-based model using TensorFlow and OpenCV to analyze 10K+ CCTV frames, for early crime detectionAchievements: 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 <i>BeautifulSoup, Scrapy, PRAW, TextBlob</i>	Dec 2024
<ul style="list-style-type: none">Developed a NLP-driven machine learning model to forecast stock movements by analyzing sentiment from 2,000+ Reddit postsAchieved 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 <i>Participant</i>	March 2025
<ul style="list-style-type: none">Selected from a competitive pool of students globally and advanced to second round to contribute to open-source Bitcoin protocol projectsWorked on improving scalability and privacy features of Bitcoin Core through Python contributionsEnhanced 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