

Tushar Saxena

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EDUCATION

VIT Bhopal University

Bachelor of Technology in Computer Science and Engineering

8.42

Oct 2022 - Aug 2026

TECHNICAL SKILLS

Languages: Java, Python

Developer Tools: GitHub, Keras, Kubernetes, Pytorch, Docker

Platforms: AWS, SalesForce, Google Cloud Platform

PROJECTS

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
- Achieved 85% crime detection accuracy and an F1 score of 0.87
- Deployed the model via Streamlit for real-time video analysis with 18% reduction in false positives
- 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
- Processed unstructured text data by implementing web scraping (BeautifulSoup, Scrapy) and NLP techniques (TF-IDF, TextBlob).
- Delivered a predictive model achieving 75% precision and 15% improvement over benchmark sentiment models
- Achievements: Provided actionable insights with detailed evaluation metrics (accuracy, precision, recall) and enhanced sentiment prediction accuracy by 15%

CERTIFICATIONS

Certified Salesforce Administrator | Ethnus

Applied Machine Learning | University of Michigan

CO-CURRICULAR

Summer of Bitcoin 2025 | *Participant*

March 2025

- Selected from a competitive pool of students globally 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

Arcade by Google Cloud | *Participant*

Jan 2025

- Participated in Google's gamified learning program focused on real-world cloud computing scenarios
- Completed hands-on labs and earned skill badges in Google Cloud Fundamentals, Kubernetes, BigQuery, and Cloud Operations
- Strengthened practical knowledge of Google Cloud through interactive quests, simulations, and role-based learning paths

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

HOBBIES & LANGUAGES

Language Learning: Fluent in English and Hindi, with an intermediate proficiency in French

Reading books, Listening to music, Watching movies and Learning new things