

Aman Soni

+919324039253 | Mumbai, Maharashtra
amanxsoni0764@gmail.com | [LinkedIn](#) | [GitHub](#)

Education

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech., CSE	VIT,Bhopal	8.51	2022-Present
Senior Secondary	MSBSHSE	90	2021
Secondary	ICSE	90.4	2019

Skills

- Technical Skills: JAVA, C/C++, OOPS, Python, DSA, SQL, Machine Learning, DBMS, Deep Learning, OS, CN
- Front-End Web Technologies: HTML, CSS, React.js
- Tools: VSCode, Jupyter Notebook
- Soft Skills: Multi-Tasking, Problem-Solving, Collaborative, Communication, Discipline

Projects

Vision Guard | [GitHub](#)

- Built real-time object and people detection using HOG+SVM and Haar Cascade with 90% accuracy, including distance estimation via camera geometry.
- Developed low-latency audio guidance (<200ms) using gTTS and multithreading, achieving 15–20 FPS.
- Tech used : Python, OpenCV, Flask, gTTS, Pygame, Threading, HOG

FinBot IQ

- Built an AI-powered personal finance chatbot using Dialogflow and Python, enabling accurate query resolution through NLP based intent recognition and entity extraction.
- Integrated MySQL database with secure backend APIs to handle real-time financial data retrieval, ensuring efficient and reliable chatbot responses.
- Tech used : Dialogflow, Python, MySQL, HTML, CSS, JavaScript, RESTful APIs, NLP

Stock Market Prediction Model | [Github](#)

- Built a custom OpenAI Gym environment and trained a Dueling Deep Q-Network (DQN) agent to make buy/hold/sell decisions using historical OHLCV data and technical indicators (RSI, MACD, Bollinger Bands).
- Achieved a peak Sharpe Ratio of 9.12 through reward engineering, rolling window training, and performance visualisation across 500+ episodes using reward curves, equity growth, and risk-adjusted metrics.
- Tech used : Python, PyTorch, Gym, TA-Lib, Pandas

Experience

IBM DevOps Internship Course

January 2025-April 2025

- Designed and implemented a complete CI/CD pipeline using GitHub Actions to automate build, test (Jest), and deployment processes for a containerised MERN application.
- Deployed multi-container setup with Docker Compose and integrated Prometheus-Grafana for real-time monitoring and visualization.

Oracle Data Science Internship Course

February 2025-June 2025

- Gained hands-on experience in the full data science lifecycle using Oracle Cloud, applying ML algorithms (regression, decision trees, clustering) with Python and Oracle ML.

Positions of Responsibility

- Lead of the Content Team at the UX Club : Lead a team of 100 members in the Club's various events organized at the University. Managed conflict resolution and ensured a safe, enjoyable environment for participants and attendees. Organized and supervised team meetings, delegating tasks effectively to enhance event efficiency

Awards & Achievements

- Secured a rank in the top 5 out of 700+ students in the Fintech Hackathon conducted by the Fintech Club.
- Secured AIR 1 in the Jim Corbett Exam.
- Represented the College in Football at the State Level.