Tanishq Saxena

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Professional Summary

Computer Science undergraduate with 3+ years of hands-on experience in Python programming, Data Science, and Machine Learning. Skilled at implementing scalable ML pipelines and working with real-world data sets. Participated in Smart India Hackathon 2023, gaining experience in agile collaboration and rapid prototyping. Proficient in statistical analysis, data visualization, version control, and end-to-end project development. Solved 200+ LeetCode problems (Rating: 1531).

Technical Skills

Languages: Python, C++, Java, C, SQL, HTML, CSS
Frameworks: Flask, TensorFlow, PyTorch, Streamlit, Scikit-learn, Pandas, Plotly, Keras, NLTK
Tools: Git, GitHub, VS Code, Jupyter, Postman
AI/ML: Machine Learning, Data Science, NLP, Deep Learning, Reinforcement Learning, CI/CD
Concepts: DSA, OOP, OS, DBMS, CN, Statistics, Analytics

Education

Jaypee University of Engineering and Technology, Guna	2022–Present
B.Tech in Computer Science and Engineering	
Ramakrishna Mission School, Gwalior	2020–2022
The Woodstock School, Gwalior	2009–2020

Projects

Amazon Sentiment Analysis — Flask, NLP, ML

- Implemented data pipeline to analyze sentiment using TF-IDF and logistic regression.
- Automated text preprocessing with NLTK, reducing manual effort by 15 hrs/week and speeding up analysis $3\times$.
- Deployed model via Flask with real-time input/output for user testing.

GDP Analytics Dashboard — Streamlit, Plotly, Pandas

- Designed and developed a data analytics dashboard visualizing GDP trends across 150+ countries.
- Automated ingestion of data sets and optimized processing; reduced update lag by 60%.

Self-Driving Car Simulator — OpenAI Gym, RL

- Built and trained Deep Q-Learning agent to navigate simulated lanes autonomously.
- Boosted training convergence by 45% through reward function optimization.

Experience

Python Developer Intern — Octanet (Remote)   May–Jul 2025

- Collaborated with engineers to automate reporting pipelines and improve deployment efficiency by 30%.
- Implemented unit-tested features and managed code versions using Git in Agile sprints.
- Performed data analysis and generated insights using Python and Pandas.

Certifications & Achievements

- Smart India Hackathon 2023: Participated in national challenge; gained experience in collaboration and real-world analytics under deadline pressure.
- Data Science & ML Bootcamp: Built NLP and recommendation systems using real-world data sets.
- 100 Days of Code (Udemy): Applied Python to build web tools, scripts, and ML apps.
- DSA in Python – Infosys Springboard: Solved 50+ problems focusing on logic, programming, and efficiency.

Extracurriculars

- Represented JUET in inter-university sports competitions.
- Led coordination for tech and cultural fests with 1000+ attendees.