

# Tanishq Saxena

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## Professional Summary

Goal-oriented Computer Science undergraduate with 3+ years of hands-on experience in Python, C++, and ML development. Spearheaded projects involving NLP, real-time dashboards, and RL agents. Participated in Smart India Hackathon 2023, enhancing collaborative development and problem-solving under real-world constraints. Solved 200+ LeetCode problems (Rating: 1531). Proficient in CI/CD pipelines, Git, and Agile practices.

## Technical Skills

**Languages:** Python, C++, Java, C, SQL, HTML, CSS

**Frameworks:** Flask, TensorFlow, PyTorch, Streamlit, Pandas, Scikit-learn, Plotly, Pygame, Numpy, NLTK, Keras, tensorflow

**Tools/Platform:** Git, VS Code, GitHub, Jupyter Notebook, Postman

**AI/ML:** Machine Learning, NLP, CI/CD, Deep Learning, Data Visualization, Reinforcement Learning

**CS Fundamentals:** DSA, OOP, OS, DBMS, CN, Statistics

**Soft Skills:** Problem Solving, Teamwork, Communication, Time Management

## 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*

- Developed sentiment analysis pipeline using TF-IDF and logistic regression.
- Automated preprocessing using NLTK; deployed Flask-based web interface.

**GDP Dashboard**

*Streamlit, Plotly, Pandas*

- Created a data dashboard for GDP visualization across 150+ countries.
- Streamlined UI responsiveness and automated data ingestion pipelines.

**Self-Driving Car Simulator**

*OpenAI Gym, RL*

- Built and trained a Deep Q-Learning agent for autonomous navigation.
- Achieved a 45% improvement in training convergence time.

## Experience

**Python Developer Intern — Octanet (Remote)**

*May–Jul 2025*

- Automated analytics reporting workflows, reducing manual time by 40%.
- Executed unit testing and collaborated via Git in Agile sprints.
- Improved CI/CD pipelines for faster production deployment.

## Certifications & Achievements

• **Smart India Hackathon 2023**

- Participated in national-level hackathon; gained experience in collaborative design and rapid prototyping.
- Strengthened skills in real-world problem-solving under time-constrained scenarios.

• Data Science & ML Bootcamp – Built NLP applications

• 100 Days of Code – Python (Udemy)

• DSA in Python – Infosys Springboard

## Extracurriculars

- Represented JUET in inter-university sports events
- Led coordination for college-level tech and sports festivals