

Tanush Garg

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Professional Summary

Aspiring Machine Learning Engineer with a robust foundation in Python, data science, and AI principles. Seeking an internship to apply skills in deep learning, NLP, and computer vision to tackle challenging real-world problems. Experienced in building and deploying end-to-end ML pipelines and passionate about architecting impactful, data-driven solutions.

Projects

Climate Visibility Prediction

- Engineered a full-stack ML application to predict climate visibility, fetching and processing real-time weather data from the OpenWeatherMap API.
- Established a version-controlled data pipeline with DVC and utilized MongoDB for efficient data storage and retrieval.
- Tech Stack:** Flask, Scikit-learn, DVC, MongoDB, Render.

Dhan-Laabh – Stock Price Prediction

- Developed a hybrid stock prediction model combining time-series analysis with NLP-driven sentiment analysis of financial news from NewsAPI.
- Built an interactive dashboard with Streamlit for data visualization and model performance monitoring.
- Tech Stack:** Scikit-learn, NLTK, DVC, Streamlit, NewsAPI.

Movie Review Sentiment Analysis (MLOps Pipeline)

- Architected a complete MLOps pipeline to automate the training, deployment, and monitoring of an NLP sentiment classifier.
- Leveraged Docker and Kubernetes for containerization and orchestration, and automated the CI/CD workflow using GitHub Actions for seamless updates.
- Tech Stack:** AWS, Docker, Kubernetes, MLflow, Prometheus, Grafana.

Experience

Student Mentor / Tutor

- Guided and tutored over 15 students (Classes 8-10) in Science and Math, creating personalized learning plans to improve comprehension and boost academic performance.

Student Volunteer – College Sports Day

- Assisted in organizing and coordinating sports events, managing logistics, participant registration, and on-field support for a seamless event experience.

Education

B.Tech, Computer Science & Engineering

University School of Automation and Robotics, Delhi

Expected Graduation: 2027

Senior Secondary (CBSE)

DAV Public School, Pitampura, Delhi

Skills

Technical Skills

Programming: Python, Java, Flask

Data Science: NumPy, Pandas, Matplotlib, Seaborn, Statistics

Machine Learning: Supervised & Unsupervised Learning, Deep Learning, CV, NLP, GenAI

MLOps & Deployment: DVC, MLflow, GitHub Actions, AWS, Render

Databases & APIs: MongoDB, REST APIs

Soft Skills

- Problem-Solving & Analytical Thinking
- Communication & Mentorship
- Teamwork & Event Coordination
- Passionate AI Learner & Adaptable

Certifications

Data Science with Generative AI
PW Skills

Java Development Course
Coding Ninjas

Hobbies & Interests

Problem Solving, Politics, Economics, K-dramas, Series

Languages

English: Professional Proficiency

Hindi: Native Proficiency