

Gaurav Patil

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LinkedIn — GitHub — LeetCode

Profile Summary

Final-year B.Tech Computer Engineering student with hands-on experience in Machine Learning using Python and their frameworks. Familiar with data preprocessing, model training, and basic evaluation techniques. Worked on practical projects involving image-based GANs and NLP-based data analysis. Actively seeking an AI/ML Engineer role to apply ML fundamentals in real-world applications.

Education

K. K. Wagh Institute of Engineering Education & Research, Nashik

B.Tech in Computer Engineering

2022 – Present

CGPA: 8.01 / 10.0

Technologies & Skills

Languages: Python, C++, C

Machine Learning: ML fundamentals, model training & evaluation

Deep Learning: Neural networks basics, GANs

Web Basics: Node.js, Express.js, REST APIs

Frameworks: PyTorch, TensorFlow, Scikit-learn

Data Handling: NumPy, Pandas, data preprocessing

Databases: MongoDB, MySQL

Tools: Git, GitHub

Projects

GAN-based Steganography System

Python, PyTorch, OpenCV

- Developed and trained a GAN model to hide information inside images using deep learning techniques.
- Implemented data preprocessing, model training, validation, and evaluation workflows in PyTorch.
- Experimented with training parameters to improve model stability and output quality.
- Evaluated robustness of generated images against common distortions such as noise and compression.

Role: Machine Learning Engineer.

WhatsApp Chat Analyzer

Python, NLP, Streamlit

- Built a complete data preprocessing pipeline to clean and structure WhatsApp chat datasets.
- Performed exploratory data analysis and basic NLP tasks to generate message statistics and insights.
- Designed an interactive dashboard to visualize activity trends and analytical results.

Role: Sole Developer.

ServiceFinder — Local Service Provider Platform

Node.js, Express.js, MongoDB

- Developed backend REST APIs and handled database operations for application modules.
- Worked on data validation and integration between frontend and backend services.

Role: Backend Developer.

Achievements

- Solved 350+ Data Structures and Algorithms problems across LeetCode, Codeforces, and CodeChef.
- Winner of the Defect Detective Coding Competition.
- Finalist in a Datathon (Hackathon).
- Two-time winner of CPL (Computer Premier League) Cricket Tournament as MVP.

Certifications

Python for Data Science (NPTEL) — AWS Cloud Foundations — Deloitte Virtual Internship Program