

Dhruv Gupta

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[🌐 LinkedIn](#) [🐙 GitHub](#) [🔗 Leetcode](#) [📁 Portfolio](#)

EXPERIENCE

Summer Intern | NTPC Limited (Unchahar, UP) | Scikit-learn, Seaborn [🔗](#) Jul – Aug, 2025

- Built a machine learning model to **predict and optimize power output** using real plant data with 108 features.
- Cleaned and preprocessed large-scale sensor data, handled missing data and performed extensive feature engineering.
- Trained a RandomForestRegressor model achieving **$R^2 = 0.997$ and $RMSE \approx 0.9$** on test data.

Data Science & AI Intern | CloverIT Services (Remote) | Reactjs, LLM APIs: [🔗](#) Apr – Jul, 2025

- Developed a **MultiModel LLM Application** to compare and analyze code generated by multiple LLMs and user code using custom **static analysis metrics** (ACI, AMR, ARS).
- Integrated OpenRouter API to fetch responses from multiple LLMs (ChatGPT, Gemini, DeepSeek, etc.) for prompt-based code generation and comparative analysis.
- Designed a **detailed user history** feature using **Firestore**, storing prompt data, model responses, and custom metric analysis.

PROJECTS

CodeVerdict | Django, Docker, AWS and Bootstrap: [🔗](#) May 2025

- Engineered an **Online Judge platform** where user can solve coding problems in 3 languages (C++, C, Python). Implemented 3 role-based access control and CRUD functionality for creating new problems and test cases.
- Built a user **dashboard** to track individual progress. Integrated **Gemini API** to provide **AI powered feedback** on the code logic based on the problem description.
- Deployed** the platform on **AWS EC2** using **Docker** and **Amazon ECR** for managing Docker images.

Hand Gesture Recognition | Pytorch, OpenCV, Django: [🔗](#) Mar 2025

- Developed and implemented a **hybrid deep learning model architecture** to classify 18 static hand gestures using the HaGRID dataset in **realtime**.
- Integrated Swin Transformer and ResNet34 for enhanced feature extraction, then fused outputs (raw logits) and used a BiLSTM Layer.
- Achieved **99.3 training accuracy, 98.03% test accuracy** and 98% macro and weighted F1-scores, reflecting excellent generalization and balanced class performance.

IceCream Corner | Django, Bootstrap, SQLite: [🔗](#) Jan 2025

- Built a full-stack **e-commerce platform** with user authentication, **OTP-based password reset** and secure workflows (CSRF protection, cookie security).
- Implemented superuser dashboard for **CRUD operations** on ice cream products and integrated shopping cart with quantity limits and order history tracking.
- Designed relational database models for users, products, categories, orders and carts.

EDUCATION

Manipal University Jaipur, Jaipur Oct 2022 – Present

B. Tech in Information Technology | CGPA – 9.18/10.00

Emmanuel Mission School, Kota 2020 – 2021

12th CBSE Board | Percentage – 83.6%

TECHNICAL SKILLS

Programming Languages

Java, Python, C++, C and JavaScript

Toolkits and Frameworks

Django, Flask, Reactjs, Docker, AWS, Git & Bootstrap

CS Domain

- Data Structures and Algorithms
- Object Oriented Programming
- Data Science and AI
- Relational Database Management Systems

CERTIFICATES

- Machine Learning with Python [🔗](#)
- Data Analysis with Python [🔗](#)
- Complete Generative AI Course with Langchain and Huggingface [🔗](#)

ACHIVEMENTS

- Awarded the Dean's List for Excellence in Academics three times for achieving the highest Grade Point Average in the 5th, 2nd and 1st semesters.
- Achieved 9.18, 9.25, 8.63, 8.85, 9.77 and 9.41 GPA (Top 10% of Batch) across all Semester respectively.
- Earned the Leetcode 100 Days and two 50 days Badge.