



Anuj Singh

Roll No.:23112018

Bachelor of Technology

Chemical Engineering

Indian Institute of Technology Roorkee

+91-9667613369

anujmaurya7967@gmail.com

anuj_s@ch.iitr.ac.in

Github

linkedin.com/in/anuj-singh-44113828b

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech in Chemical Engineering	Indian Institute of Technology, Roorkee	7.89 (Current)	2023–Present
Class XII	Indira Ideal School, New Delhi (CBSE)	89%	2023
Class X	Indira Ideal School, New Delhi (CBSE)	96.6%	2021

PROJECTS

- **LeetForces – VS Code Extension for LeetCode** Jan 2025
VS Code extension for competitive programming productivity. Github
 - **Tech Stack:** TypeScript, Python, VS Code API, ChromeDriver, Selenium, Git
 - Fetch, view, edit, delete LeetCode test cases directly in editor.
 - Supports Python/C++ with auto-generated boilerplate.
 - Run code with Selenium-based scraping.
- **Grocery Vision** Apr 2025
2nd prize in MARS IIT Roorkee hackathon. Github
 - **Tech Stack:** Python, Gemini Pro Vision API, ReactJS, Flask, OpenCV, Git
 - Detects grocery items, count, freshness, and expiry from live camera.
 - Used Gemini API for real-time classification and metadata.
 - ReactJS frontend, Flask backend.
- **Flight Delay Prediction ML Model** Jun 2025
ML pipeline for flight delay prediction and explanation. Github
 - **Tech Stack:** Python, Pandas, NumPy, scikit-learn, XGBoost, SHAP, Jupyter Notebook
 - EDA, data cleaning, financial impact analysis.
 - RandomForestClassifier and XGBoostRegressor for predictions.
 - SHAP for model interpretability.
 - Operational Adjustability Index (OAI) for business recommendations.

TECHNICAL SKILLS

- **Languages:** Python, SQL, HTML, CSS, TypeScript, Java
- **Python Libraries:** Pandas, NumPy, OpenCV, Matplotlib, Seaborn, SciPy, scikit-learn, SHAP, imbalanced-learn (SMOTE)
- **Frameworks & Tools:** Flask, Selenium, Jupyter Notebook, VS Code, Git, GitHub, ChromeDriver, REST APIs, JSON
- **ML & Data Science:** EDA, Feature Engineering, Classification, Regression, Random Forest, XGBoost

ACHIEVEMENTS

- **2nd Position** MARS Srishti Hackathon, IIT Roorkee Apr 2025
 - Built real-time grocery detector using OpenCV and LLM integration.
- **1st Position** VLG Synapse Hackathon, IIT Roorkee Apr 2025
 - Developed Uplift IQ Model with SHAP on CRITEO dataset.
- **Codeforces Specialist (1400+)** View Profile
- **5-Star in Python** HackerRank 2025
- **Python (Basic) Certificate** HackerRank 2025

CERTIFICATIONS

- Python (Basic) Certificate – HackerRank
- Foundations of UX Design – Coursera
- Start the UX Design Process – Coursera
- Conduct UX Research – Coursera
- Create High-Fidelity Designs – Coursera