

ANIRUDDHA GUPTA

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EDUCATION

- Vellore Institute of Technology Bhopal** Sehore, India
(BTech in Computer Science Engineering. **CGPA: 8.55**) 2022 - 2026

PROJECT

Smart Housing Valuation Predictor Github

- Built an Automated ML pipeline for data preprocessing, including stratified sampling, median imputation, feature scaling, and one-hot encoding for transformation of raw housing data into model-ready format.
- Trained a Random Forest Regressor and serialized both the model and pipeline using joblib for persistent storage and efficient reuse.
- Implemented an automated inference system that loads trained models, processes new data, and exports predictions to CSV for analysis.

NammaYatri Trips Dashboard (SQL + Power BI) Github

- Analyzed **2.1K+** ride searches and 983 completed trips to extract actionable KPIs using **25+** optimized SQL queries and Power BI.
- Designed an interactive dashboard with **6+** visuals including maps, duration trends, fare breakdowns, and geo-insights for **15+** Bengaluru assemblies.
- Aggregated key metrics such as **751K+** driver earnings, **1277** quotes, and a **45%** conversion rate to reveal user behavior and operational efficiency.

Connectify - A Social Network Recommendation System Github

- Designed a Python-based recommendation engine that analyzed **1,000+** user interactions to suggest relevant friends and pages with **99%** accuracy.
- Cleaned and structured JSON datasets, increasing data reliability and reducing redundancy by **40%**, ensuring high-quality inputs for the recommendation system.
- Utilized Python data structures like collections, set theory, and graph traversal techniques to identify key influencers and communities within the dataset, enhancing the relevance of social recommendations.

SKILLS SUMMARY

- Programming Languages:** Python, SQL, HTML, CSS, Javascript.
- Frameworks/Libraries:** MySQL, Flask, Machine Learning(NumPy, Pandas, Scikit learn, Matplotlib).
- Professional Skills:** Object Oriented Programming, Competitive Programming, Data Analysis.
- Tools:** Power BI, MS Excel, Git, Github Actions, Jupyter Lab, Visual Studio Code.

ACCOMPLISHMENTS

- 5 Star SQL HackerRank Coder** - Proficient in database management, joins, filtering, and aggregations.
- Oracle Certified Data Science Professional** - Validated expertise in cloud-based data science.
- IMO Medalist** - Demonstrated excellence in mathematics and logical reasoning.

EXTRA-CURRICULAR

- Taught basic computer skills to underprivileged children at an NGO, fostering digital literacy.
- Committee Member, Advitya 2025 – Demonstrated event planning and management skills.
- Enthusiastic chess player, utilizing strategic thinking and problem-solving skills both on and off the board.