ANIRUDDHA GUPTA

Kanpur, Uttar Pradesh

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EDUCATION

VIT Bhopal University   **Bhopal, India**
*(B.Tech - Computer Science and Engineering. **CGPA: 8.55**)*   *2022 - 2026*

SKILLS SUMMARY

Languages: Python, Java, SQL, JSON, HTML, CSS, JavaScript.
Frameworks/Libraries: Scikit learn, Matplotlib, Seaborn, Flask, Jupyter Lab, React.js, NumPy, Pandas.
Tools: Power BI, Tableau, MS Excel, Git, Github Actions, Visual Studio Code.

EXPERIENCE

Internship at FR Web Solution ⌐ | **September 2024 - February 2025**

- Wrote and optimized 20+ complex SQL queries, improving data retrieval efficiency by up to 40% across critical endpoints.
- Conducted data cleaning and migration tasks across different environments, reducing redundancy by 25%.
- Developed and deployed 5+ web pages using HTML, CSS, and JavaScript, improving user engagement by 20% through better UI/UX.
- Built data dashboards in Power BI, providing stakeholders with actionable insights from operational data.

PROJECTS

Smart Housing Valuation Predictor ⌐ | NumPy, Pandas, Scikit-learn, Matplotlib, Python

- Implemented and evaluated Linear Regression, Decision Tree, and Random Forest algorithms with cross-validation to identify optimal performance for housing price prediction.
- Built comprehensive preprocessing pipeline with stratified sampling, feature scaling, and automated handling of numerical and categorical data using scikit-learn frameworks.
- Data Processing & Validation: Applied stratified train-test splits and k-fold cross-validation with RMSE metrics to ensure robust model evaluation and reliable predictions.
- Production-Ready Architecture: Designed scalable preprocessing workflows using ColumnTransformer and Pipeline classes for seamless data transformation and model deployment.

Connectify ⌐ | Jupyter Notebook, JSON, Collections, Python 3.0

- Designed and implemented a Python-based recommendation engine to analyze 1,000 user interactions and suggest new friends and pages.
- Cleaned and structured JSON datasets, increasing data reliability and reducing redundancy by 40%.
- Utilized collections, set theory, and graph traversal to identify key influencers and communities within the dataset.
- Achieved 99% accuracy in generating friend and page recommendations through logic-based evaluation and manual test case verification.

NammaYatri Trips Dashboard ⌐ | SQL, PowerBI, MS Excel

- Analyzed 2.1K+ ride searches and 983 completed trips to extract actionable KPIs using SQL and Power BI.
- Designed an interactive dashboard with 6+ visuals, including maps, duration trends, and fare breakdowns.
- Wrote and optimized 25+ SQL queries to clean and aggregate data for key metrics like 751K driver earnings, 1277 quotes, and 0.45 conversion rate.
- Enabled geo-visual insights for 15+ Bengaluru assemblies, highlighting trip volume, quote requests, and hotspot patterns.

EXTRA CURRICULAR

- Taught basic computer skills to underprivileged children at an NGO, fostering digital literacy.
- Awarded a medal at the IMO showcasing exceptional skills in problem-solving and critical thinking.
- 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.