ROHIT YADAV

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PROFESSIONAL SUMMARY

Aspiring Data Scientist with hands-on experience in machine learning, data preprocessing, predictive modeling, and visualization. Skilled in Python, SQL, and end-to-end ML pipelines, with projects delivering 98% accuracy in regression tasks. Adept at transforming raw data into actionable insights using EDA, statistical techniques, and visualization tools.

CORE SKILLS

- Programming: Python (Pandas, NumPy, Scikit-learn), SQL (Joins, Window Functions)
- Machine Learning: Regression, Random Forest, XGBoost, LightGBM, Cross-validation, Hyperparameter Tuning
- Data Handling: Cleaning, Missing Value Imputation, Outlier Detection, Feature Engineering
- Visualization: Matplotlib, Seaborn, Tableau, Power BI
- Deployment: Flask, Streamlit, Git, HTML, CSS
- Other Tools: Excel, GitHub, Forage Simulations

PROJECT EXPERIENCE

Flight Price Prediction | Python, scikit-learn, Pandas, Matplotlib | GitHub Repo

- Developed an end-to-end regression pipeline (EDA → feature engineering → model selection).
- Trained multiple models; Random Forest achieved $R^2 = 0.85$ with RMSE = 1739.
- Performed feature importance analysis and exported predictions to Excel for evaluation.

House Price Prediction | Python, scikit-learn, Regression, Random Forest | GitHub Repo

- Cleaned and transformed housing datasets (missing values, skew correction, rare label encoding).
- Built ML pipelines using ColumnTransformer & scikit-learn Pipeline for reusability.
- Achieved $R^2 = 0.98$ and RMSE = 11.62, significantly improving accuracy over baseline.

EDUCATION

Bachelor of Commerce (B.Com) Honours | School of Open Learning, University of Delhi | 2024-2027

CERTIFICATIONS

- AlgoHeist: The Escape Room Challenge – Amity University, Noida
- Data Analytics Job Simulation – Deloitte Australia (Forage)
- Discover Data Analysis – Microsoft