# TEJAS SAINI

**DATA SCIENCE STUDENT | DATA ANALYTICS | MACHINE LEARNING**

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## PROFILE

Second-year Data Science student with hands-on experience using Python, SQL, Pandas and scikit-learn to analyse datasets and build end-to-end machine learning projects. Experienced in data collection, cleaning, exploratory analysis, feature engineering, model evaluation and deploying prediction APIs with FastAPI. Seeking a remote internship in Data Analytics, Data Science or entry-level Machine Learning.

## TECHNICAL SKILLS

**Programming** Python, SQL, JavaScript

**Data Analysis** Pandas, NumPy, Excel, statistics, data cleaning, EDA, data visualization

**Machine Learning** scikit-learn, Linear Regression, Logistic Regression, Decision Trees, KNN, Naive Bayes, Random Forest, SVM, K-Means, Hierarchical Clustering, PCA, XGBoost, feature engineering, model evaluation

**Tools & Libraries** MySQL, SQLAlchemy, Matplotlib, Seaborn, FastAPI, Jupyter Notebook, Git, GitHub

## SELECTED PROJECTS

### RentDilli — Delhi Rental Price Estimator

*Python · Pandas · scikit-learn · XGBoost · FastAPI · JavaScript*

- Built an ML-powered web application to estimate monthly rent for Delhi properties using a collected and prepared rental dataset.
- Performed data cleaning and feature engineering; trained and tuned an XGBoost model ($R^2$ 0.74 · MAE ₹7,755 · RMSE ₹20,828).
- Served predictions through a FastAPI backend connected to a JavaScript frontend.

### Olist E-Commerce Data Analysis

*Python · SQL · MySQL · Pandas · NumPy · Matplotlib · Seaborn*

- Designed a MySQL database and imported 100,000+ e-commerce records using SQLAlchemy.
- Used joins, aggregations, subqueries and CASE statements to investigate business questions.
- Performed EDA and created visualizations/dashboard views for revenue, customers, sellers, reviews and deliveries; documented the project on GitHub.

### AutoValue — Indian Car Resale Price Predictor

*Python · Pandas · scikit-learn · FastAPI*

- Developed a regression pipeline to estimate used-car resale prices from vehicle data.
- Trained and tuned a Gradient Boosting model and evaluated it using $R^2$, MAE and RMSE.
- Exposed predictions through a FastAPI endpoint with a browser-based demo.

## EDUCATION

**Data Science** | JSS University, Noida

Undergraduate | 2025–2029 | Expected graduation: 2029

### CERTIFICATIONS & COURSES

Kaggle — Pandas Micro-course

Kaggle — Data Visualization Micro-course

Simplilearn — NumPy for Data Science