Abhijeet Sinha

Data Analyst / Visualization Builder

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PROFESSIONAL SUMMARY

Data analytics and visualization learner skilled in Python, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Streamlit, Excel / Sheets, and Tableau. Experienced in data cleaning, exploratory analysis, KPI dashboards, and translating analysis into business recommendations across real estate pricing, streaming engagement, and customer retention projects.

SKILLS

Languages: Python

Libraries: Pandas, NumPy, Matplotlib, Seaborn, Plotly

Tools & Visualization: Streamlit, Excel, Google Sheets, Tableau, Pivot Tables, GitHub

Analytics: Data Cleaning, EDA, Dashboarding, Segmentation, Regression, Retention Analysis, KPI Design

PROJECTS

House Price Prediction System

Python, Pandas, NumPy, Scikit-learn, Plotly, Streamlit, ReportLab | GitHub

- Built a Random Forest regression workflow on 21,613 King County property sales using engineered features including house age, renovation flag, amenity score, and zipcode encoding.
- Developed a Streamlit app to predict property price, confidence range, investment score, market status, comparable homes, and a downloadable PDF advisory report.
- Improved model performance from linear regression baseline R2 of about 0.67 to Random Forest R2 of about 0.88, reducing MAE from roughly $110K to $80K.

User Engagement & Revenue Optimization for Streaming Platform

Google Sheets, Excel, Pivot Tables, Dashboarding, Revenue Analytics | GitHub

- Cleaned and standardized a Netflix-style user behavior dataset from over 10,000 raw records into 5,025 analysis-ready rows and about 20 analytical columns.
- Created pivot tables to analyze subscription revenue, active-rate retention, device engagement, content-type performance, genre depth, and churn behavior.
- Designed an executive dashboard with slicers for subscription plan, country, device type, content type, and active status to support monetization decisions.

Olist Customer Churn Analysis

Python, Pandas, Tableau, EDA, KPI Design, Report Writing | GitHub

- Contributed as Report Lead on an e-commerce churn capstone analyzing 99,441 raw Olist orders and a processed 105,000-row analytical sample across 19 columns.
- Helped frame churn around 97.19% one-order customers, 2.81% repeat rate, R$14.69M total revenue, and delivery / review / payment segmentation.
- Translated dashboard insights into retention recommendations including first-purchase vouchers, high-spend loyalty tiers, review recovery, and regional pilots.