ADITYA SHRIMALI
Data Analyst / Junior Data Scientist

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Summary

Data Analyst with a strong foundation in SQL, Python, Excel, Machine Learning, and Power BI. Experienced in data cleaning, exploratory data analysis, visualization, and predictive modeling to support data-driven decision-making.

Skills

Programming & Querying: Python, SQL, R (Basics)
Tools & Technologies: Numpy, Pandas, MS Excel, Power BI, Streamlit, Matplotlib, Scikit-Learn, Ollama, AI Tools
Analytical Abilities: Data Cleaning, Exploratory Data Analysis (EDA), Insight Generation, Descriptive Statistics
Soft Skills: Rapid learner, quick adoption of new tools, problem-solving mindset, adaptability

Experience

Intern   Dec 2024 – Jan 2025
MATE, Udaipur   *Tools Used: Python, JS, Expo, React Native*
- **Analyzed application usage and user interaction data** to understand engagement patterns and identify trends related to feature usage and user activity.
- Gained hands-on experience with native development, improving component-based development, state management, improving user experience and making better user interfaces.

Projects

Customer Churn Prediction | *Python — Streamlit*   Dec 2025 – Jan 2026
- Developed an **end-to-end churn prediction system** by analyzing customer behavior patterns such as service usage, contract type, tenure, and billing features.
- Performed **exploratory data analysis (EDA)** to identify key churn drivers, revealing strong churn correlation with month-to-month contracts, higher charges, and shorter tenure.
- Trained and evaluated multiple ML models (Logistic Regression, Random Forest, SVM) using accuracy and recall to prioritize **high-risk churn detection**.
- **Achieved 95% prediction accuracy** and deployed the final model via a **Streamlit web app** for real-time churn prediction and business decision support.

Superstore Sales & Profit Analysis | *Python — EDA*   Jan 2026
- **Analyzed sales, profit, discount, and product performance data to identify key revenue drivers and loss-making areas.** Technology as the highest profit-generating category, while Furniture underperformed despite high sales volume.
- Evaluated discount strategies and observed that higher discounts did not consistently improve profit.
- Identified top-selling products (e.g., staples and envelopes) and low-performing products to optimize inventory.
- Provided business insights on region–product alignment and pricing strategy to improve profitability.

Awards & Certifications

- **Python Developer – WhiteHatJr (2021-2022):** Completed more than 50 practical case studies involving classic Programming, SQL, data cleaning, dashboards, and presentations.
- **Machine Learning & Pandas – Kaggle (2025):** Learned and implemented intermediate machine learning models and analyzed various datasets using Pandas and Matplotlib.
- **Python Programming – Kaggle (2025):** Learned and implemented functional as well as object oriented programming using python.

Education

B.Tech CSE   Expected Graduation: 2026
IET, Udaipur   *Ongoing*