SHAKIL AHAMMED
Data Analyst

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Summary

I am an expert with over 2 years of experience collecting, cleaning, and analyzing large datasets using modern tools to extract meaningful insights. I also contributed to developing reports and dashboards to visualize key performance indicators.

Technical Skills

• Python	• R	• Machine Learning	• SQL
• Power BI	• Microsoft Excel	• PostgreSQL	• MySQL

Projects

1. Superstore Sales Analysis by Python: Hypotheses: • Technology products are the most profitable. • The East region has the highest sales. • Seasonal sales variations. • Same-day shipping has the lowest returns. • Higher profit on weekdays.

Conclusions: • Focus on technology products: Develop and promote them for higher profits. • Reduce lower-margin products: Optimize product portfolio. • Target Central region: Increase focus and evaluate others. • Maximize sales during November and December: Increase inventory, run targeted campaigns, and offer promotions. • Maintain sales during other months: Introduce new products and offer promotions or discounts. • Offer more same-day shipping options: Optimize inventory and supply chain. • Focus on different promotions during weekends: Offer weekend-only promotions, run targeted campaigns, and organize special events. • Offer products popular among weekend shoppers: Home entertainment, and outdoor products.

2. Vrinda Store Sales Analysis Using Excel: This project provides a comprehensive overview of Vrinda Store's sales performance in 2023, aiming to identify key trends, growth areas, and improvement opportunities.

Key Findings: • Sales and Orders: March had the highest sales, while November had the lowest. • Gender: Women placed 64.05% of orders exceeding men's 35.95%. • Order Status: Most orders were delivered followed by returns, cancellations, and refunds. • Top Ordering States: Maharashtra leads in orders, followed by Karnataka and Uttar Pradesh. • Channels: Amazon had the highest order count followed by Myntra and Flipkart. • Age Group: Women dominated orders across all age groups. • Channel Distribution: Amazon consistently led in order percentage, followed by Myntra and Flipkart.

Recommendations: Enhance customer satisfaction in top-ordering states. Allocate resources based on channel contributions. Foster innovation, provide training and promote data-driven decision-making.

3. Credit Card Financial Dashboard Using Power BI: • Developed an interactive dashboard using transaction and customer data from an SQL database to provide real-time insights. • Streamlined data processing & analysis to monitor key performance metrics and trends. • Shared actionable insights with stakeholders based on dashboard findings to support decision-making.

4. Breast Cancer Prediction Machine Learning Project Using Logistic Regression: Predict cell malignancy based on breast cancer dataset measurements.

Conclusion: Our analysis using a logistic regression model on breast cancer data shows promise. The trained model can be:
• Used for punctual cell analysis in hospitals. • Integrated into a doctor-facing application for predictions. • Potentially connected to a tissue analysis machine for automated diagnosis. Utilizing Python as a minimalist API, this approach could significantly save lives.

5. Northwind Traders Sales Analysis by SQL: Analyze and interpret the sales data of Northwind traders. The project utilizes SQL to query and manage large datasets, providing a comprehensive view of sales patterns, customer behavior, and inventory management. The analysis is focused on identifying key trends, performance metrics, and potential areas for optimization.

Portfolio :   **Github: github.com/SHAKIL-The-Analyst**   **Google Drive: drive.google.com/drive**

Experience

I conducted several in-depth exploratory data analyses using R programming for forestry research at SUST. **Jul 2023 – Present**

Certifications & Achievements

Issuing Organization: IBM Cognitive class	**Issuing Organization: Simplilearn**
SQL and Relational Databases 101	Business Analytics with Excel
Data Analysis with Python	Power BI for Beginners
Data Visualization with Python	Become a data scientist in statistics for data science
Machine Learning with Python	
Python 101 for Data Science	

Education

Shahjalal University of Science and Technology   **Jan 2020 – Present**
Bachelor of Science in Forestry & Environmental Science   Sylhet, Bangladesh