Shakil Ahammed
Data Analyst

Summary

Detail-oriented Data Analyst with hands-on experience as a Research Assistant at SUST. Proficient in analyzing and interpreting complex datasets to drive informed business decisions. Holds a bachelor's degree in computer science and engineering, equipped with strong analytical skills and a passion for leveraging data to solve real-world problems.

Education

Bachelor of Science in Computer Science and Engineering *Jan 2020-Present*
Shahjalal University of Science and Technology, Sylhet, Bangladesh

Certifications   Issuing Organization: **Cognitive Class by IBM**

- Data Analysis with Python
- Machine Learning with Python
- R for Data Science
- SQL and Relational Databases
- Data Visualization with R
- Data Visualization with Python

Experience

Data Analyst - Research Assistant at SUST   *July 2023-Present*

- I conducted data analysis using **R** on 100+ datasets and over 1000 tree samples related to tree growth, biomass, health, and biodiversity, contributing to a comprehensive understanding of forest ecosystems.
- Developed predictive models using **Python** with an accuracy rate exceeding 70%.

Projects

Superstore Sales Analysis Using Python: I conducted **5 hypothesis tests.**
- Identified technology products ($6,637,78) as the most profitable category.
- Proposed targeted marketing strategies to capitalize on the central region, the highest performer at $3 million.
- Implemented same-day shipping options, resulting in lower return rates ($23.91).
- Recommended maximizing sales during peak months (November and December) through enhanced inventory($1.4m+), targeted campaigns, etc.

Breast Cancer Prediction Using Machine Learning: I analyzed breast cancer data using a logistic regression model and the model accuracy is **98%**. My trained model can be used for diagnosing individual hospital cells, integrated into a doctor-facing application for making predictions, and potentially linked to a tissue analysis machine for automated diagnosis.

Credit Card Financial Dashboard Using Power BI: I created an Interactive dashboard utilizing transaction and customer data from an **SQL** database to deliver real-time insights.
- Revenue increased by 28.8%.
- Total interest is 8 million.
- Overall Activation rate is 57.5%.
- Overall revenue is 57 million.
- Reduce data processing time by 80%.
- Overall Delinquent rate is 6.06%.

Walmart Sales Analysis Using SQL:
- Developed SQL queries to extract and manipulate data from the Walmart database.
- Conducted data cleaning and preprocessing to ensure data integrity.
- Present findings to stakeholders and increase efficiency by 15%.

Coca-Cola Sales Analysis Using Excel: This project aims to assess sales and operating profit margin by quarter across all regions for 2022 and 2023.
- Coca-Cola brand products significantly contributed to sales, with $2,268,975 in revenue.
- Total sales in Quarter 3 reached $2,700,000, indicating robust market demand and effective sales strategies.
- Coca-Cola brand products significantly contributed to sales, with $2,268,975 in revenue.
- Fizzy Cola retailer company emerged as a significant contributor, generating sales of $2,101,617.

Contact

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Skills

- **Python**
- **R**
- **Machine Learning**
- **SQL**
- **Power BI**
- **Excel**
- **MySQL**
- **PostgreSQL**
- **Data Visualization**
- **Statistical Analysis**
- **Analytical Thinking**
- **Problem-Solving**
- **Adaptability**

Portfolio

Github:
github.com/SHAKIL-The-Analyst

Google Drive:
drive.google.com/drive

Language

- English
- Bengali
- Hindi