Data Analyst/ Business Analyst

RAJU SAU

+91 7076759685 | theraju2003@gmail.com
https://www.linkedin.com/in/rajusau/
https://rajusau.github.io/portfolio/
India, WB 721641

Skills

- SQL (MySQL)
- Python (Pandas, NumPy, SciPy, MatPlotLib)
- Tableau
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Microsoft Azure (DataBricks, Azure Data Lake, Azure Data Warehouse)
- PySpark
- Microsoft Power BI

Projects

FINANCIAL TRANSACTIONS ANALYSIS – ADVANCED SQL + PYTHON PROJECT April 2024

- **Designed** and **implemented** a SQL-based system for comprehensive analysis of financial transactions, with a focus on **trend identification** and **fraud detection**.
- **Engineered** complex SQL queries for data **extraction**, **aggregation**, and **computation** of financial metrics, significantly improving reporting accuracy.
- **Optimized** query performance through **indexing**, **query restructuring**, and **efficient handling** of large datasets using MySQL.
- **Integrated** SQL results with **Python** (Pandas, Matplotlib, Seaborn) for advanced data visualization and trend analysis.

HR DASHBOARD - TABLEAU PROJECT May 2023

- **Developed** interactive dashboards (HR | Summary and HR | Detailed) using **Tableau** to visualize key HR metrics and KPIs.
- **Leveraged** advanced Tableau functionalities such as **multi-level filters**, **parameter-driven dashboards**, and **dynamic interactions** to enhance data exploration and user engagement.
- **Structured** and **optimized** data visualizations to facilitate high-level strategic HR decision-making, providing clear insights into employee demographics, performance, and organizational trends.

EXPLORATORY DATA ANALYSIS – US ACCIDENT DATA February 2023

- **Executed** a comprehensive exploratory data analysis (EDA) on US accident data using **Python** (Pandas, Numpy, Matplotlib, Seaborn).
- **Performed** data cleaning, transformation, and feature engineering to prepare the dataset for analysis.
- **Analyzed** accident patterns, including peak times, geographical hotspots, and weather-related trends, providing actionable insights for accident prevention and policy formulation.

AXIS BANK STOCK ANALYSIS – PYTHON PROJECT May 2024

- **Conducted** a detailed analysis of Axis Bank's stock market data from 2000 to 2020 using **Python** (Pandas, Numpy, Matplotlib, Seaborn) to uncover trading patterns and price trends.
- **Analyzed** key financial metrics including **Volume Weighted Average Price (VWAP)**, trading volumes, and historical price movements to identify potential buying opportunities.
- **Developed** visualizations and reports that provided deep insights into stock performance, enabling data-driven investment strategies.

Education

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE ENGINEERING – Lovely Professional University – Phagwara, Punjab
Majors: Business Analytics, Data Analysis, Data Science