Muhammad Hamza

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Passionate about becoming a data analyst, currently pursuing a degree in MS Data Science. Seeking opportunities where I can utilize my analytical and technical skills to solve real life data analytics problems.

Education

Master of Science (MS) in Data Science
Pak Austria Fachhochschule Institute Haripur, KPK, Pakistan   *Oct 2023 - Present*

Bachelor of Science (BS) in Software Engineering
Islamia College Peshawar, KPK, Pakistan   *Sep 2018 - Aug 2022*

Projects Experience

1: Pizza Sales Report (SQL and Power BI):

- Developed a comprehensive sales report for a pizza restaurant using SQL queries to extract and manipulate data from the database.

- Designed interactive visualizations and dashboards in Power BI to provide actionable insights into sales performance, customer trends, and product preferences.

2: E-commerce Sales Dashboard (Power BI):

- Implemented complex parameters to enable drill-down within the worksheet and customization using filters and slicers.

- Established connections, joined new tables, and performed calculations to manipulate data, allowing user-driven parameters for visualizations.

3: HR Project Design and Dashboard (Power BI, Tableau, MySQL):

- Designed and tested a dashboard for human resources management, integrating data from MySQL databases, and visualizing key HR metrics using Power BI and Tableau.

- Utilized SQL queries to extract relevant HR data and created interactive dashboards to monitor employee performance, recruitment metrics, and training effectiveness.

4: Titanic Data Analysis Project in Python:

- Conducted data analysis on the Titanic dataset using Python.

- Explored data features, handled missing values, and performed data preprocessing tasks.

- Utilized libraries such as pandas, numpy, and matplotlib for data manipulation, analysis, and visualization.

Technical Skills:

- Programming Languages: Python, R, SQL

- Database Systems: SQL, NoSQL (MongoDB)

- Machine Learning: Scikit-Learn, Tensorflow

- Tools and Frameworks: Git, Jupyter Notebook, VS code, tableau, Power BI, Excel

- Data Visualization: Matplotlib, Seaborn, Ggplot2

Soft Skills:

- Problem-solving and analytical thinking

- Strong communication and teamwork

- Detail-oriented and organized

- Continuous learning and adaptability

- Time management and project coordination

- Business acumen and understanding of business objectives.