

MUHAMMAD UMER HAIDER

Data Analytics Professional | Software Engineer

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Summary

Detail-oriented Data Analyst with 2+ years of software engineering experience, now fully focused on data analytics. Skilled in Python, SQL, Power BI, and Excel with a strong ability to turn complex data into actionable insights and visualizations. Passionate about solving real-world problems through data-driven solutions.

Skills

Languages: Python, SQL, JavaScript

Data Tools: Pandas, NumPy, Matplotlib, Seaborn

Visualization: Power BI, Excel

Databases: MySQL, MongoDB

Tools: Git, Jupyter, VS Code

Web Scraping: BeautifulSoup, Requests

Experience

Teresol Pvt. Ltd, Islamabad — Senior Software Design Engineer

Oct 2022 - Present

- Transitioned Bank Al-Habib's legacy Fintech system from Java to JavaScript, ensuring a 25% performance improvement.
 - Trained 15+ new hires in using the custom package and coding standards for Al Habib Core Banking.
 - Worked on Banking modules like Teller, CRM, Remittance, and Credit Management.
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Projects

Bank Al-Habib Core Banking — Vue.js, Node.js, Express.js, Power BI

- Optimized code performance by 30% through a reusable front-end package in collaboration with senior developers.
- Developed and integrated RESTful APIs in Node.js & Express.js for seamless data exchange with core banking systems.
- Built scalable API endpoints for customer management, transactions, and account tracking.
- Created interactive Power BI reports for transaction analytics, customer insights, and system performance tracking.

Global Layoffs Data Cleaning (SQL)

GitHub

- Cleaned and standardized a worldwide layoff dataset using SQL, improving data accuracy by 95%.

Customer Insights & Purchase Analysis (Excel)

GitHub

- Cleaned consumer dataset in Excel, handling missing values, fixing inconsistencies, and standardizing data.
- Used pivot tables and dashboards to uncover insights into income, demographics, and bike purchases.

eBay Smartphones Scraper (Python)

GitHub

- A Python scraping project that scrapes refurbished smartphone listings from eBay across multiple pages.

Data Professional Survey Dashboard (Power BI)

GitHub

- Created an interactive Power BI dashboard from Kaggle's Data Professional Survey.
- Analyzed salary trends, programming preferences and satisfaction levels.

Education

Bachelor of Science in Computer Science

2018 - 2022

Quaid-i-Azam University, Islamabad