

# MAHHIN SHAHZAD

## Skills

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- SQL (SQL Server, MySQL, PostgreSQL)
- Python (Pandas, NumPy, SciPy, Matplotlib)
- Prompt Engineering ,
- Excel (VLookup, Conditional Formatting, Pivot Tables)
- Microsoft Azure (DataBricks, Azure Data Lake, Azure Data Warehouse)
- PySpark
- Microsoft Power BI

## Projects

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### DATA SCIENCE JOB MARKET EDA – Personal Project – Philadelphia, PA April 2020

- Utilized **Python** to analyze 7000 data science job listings and gain insights on what it takes to land a job in analytics
- Implemented **Regex** techniques to comb through the job descriptions and identified the key requirements
- Aggregated and visualized the data by using **pandas**, **matplotlib** and **wordcloud** to compile a professional report

### WALMART SALES ANALYSIS – Virtual Client's Project – Philadelphia, PA February 2020

- Utilized advanced Joins and views to extract data from five Walmart branches.
- Applied complex SQL functions for data aggregation and filtering, improving the reporting process
- Created detailed visualizations with Python using Matplotlib and Seaborn, highlighting sales trends and key insights to optimize sales strategies

### HATE SPEECH DATA ANALYSIS – Personal Project – Philadelphia, PA July 2024

- Utilized ChatGPT-4.0 for multi-verification tagging and conducted EDA to load and transform multiple datasets using Pandas
- Performed lexical normalization of complex Roman Urdu language data, ensuring consistency and accuracy for analysis
- Applied NLP techniques with Python to identify and categorize hate speech patterns
- Generated detailed visualizations with Matplotlib.
- Built a pipeline for cleaning and standardizing Roman Urdu datasets, enhancing data consistency for analysis.

## Work Experience

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### CUSTOMER SUPPORT ANALYST – Astore – Islambad, PA January 2023 - December 2024

- Analyzed current freight issues using Excel, applying functions like **VLOOKUP** and pivot tables to identify bottlenecks and optimize logistics
- Tracked the status of large orders and analyzed sales data and inventory using **SQL**, saving the order cancellation rate by 40%.
- Created a basic **Power BI** dashboard representing daily orders, reducing the need for monthly meetings by 30%.
- A Collaborated with teams to enhance customer experience and resolve issues efficiently.

### AMAZON VIRTUAL ASSISTANT – Freelance Work – Philadelphia, PA January 2021 - June 2021

- Analyzed large datasets to identify top-selling and in-demand products, using advanced Excel functions.
- Conducted market data and trend analysis using tools like Helium 10 to enhance product selection for clients.
- Increased client revenue by finding two high-demand products, resulting in an additional \$7,000 in monthly sales
- Solved customer issues and ensured satisfaction, providing timely support and maintaining high service standards.

## Education

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### BACHELOR OF COMPUTER SCIENCE – FUUAST – Islamabad, **InProgress**

OCT 2022- 2026Current Semester: **5th**, CGPA: **3.8/4**

## CERTIFICATES

- Google Data Analytics Professional Certificate.

