

Muhammad Usman

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EDUCATION

BS Computer Science

Hazara University • 2020-Present

Main Subjects: Database, AI, NLP, Data Analysis, Programming Language (SQL, Python)

EXPERIENCE

Cleaning And Exploring Raw Data Using SQL

SQL Case Study | Burger Bash (Most Recent)

Jan 2024

- Used SQL queries to analyze data and address business inquiries.
- Extracted insights from a dataset of 10,000 records, reducing data errors by 25%.
- Applied SQL queries for data cleaning, exploration, and analysis.
- Generated actionable recommendations, increasing operational efficiency by 15%.
- Gained hands-on experience in data manipulation and analysis.
- Translated business questions into SQL queries, improving query accuracy by 20%.
- Presented insights to drive decision-making, increasing stakeholder satisfaction by 30%.
- Enhanced skills in data-driven problem-solving within Data Science & Analytics.

Creating Actionable Insights with Power BI

Power BI Customer Performance Dashboard (Most Recent)

Feb 2024

During the development of the Power BI Customer Performance Dashboard, I led the creation of a user-friendly visualization tool for complex customer data. Key achievements include:

- Analyzing a dataset of 20,000+ customer records to uncover insights.
- Crafting interactive visualizations with Power BI, highlighting key metrics.
- Identifying revenue trends and implementing customer segmentation algorithms.
- Collaborating with teams to translate insights into actionable strategies.

This project honed my skills in data visualization, customer analytics, and strategic decision-making, leveraging Power BI for business intelligence.

Python Powered Data Insights

Finetuning BART Model for Fiverr Description Dataset

Feb 2023

- Led the finetuning of the BART model using Python on a custom Fiverr dataset.
- Implemented NLP techniques to enhance searchability and usability for freelancers.
- Optimized Fiverr's platform for users seeking relevant services.

Web Scraping and Data Cleaning

Dec 2023

- Developed web scraping scripts using BeautifulSoup and Selenium to automate data extraction from Fiverr gigs data.
- Utilized Pandas and NumPy libraries for data cleaning, preprocessing, and manipulation, ensuring data quality and consistency.
- Employed Matplotlib for data visualization, facilitating clear presentation and interpretation of insights derived from the cleaned dataset.

These Python projects refined my expertise in data manipulation, NLP, web scraping, and data visualization, showcasing Python's role in data-driven decision-making and process automation, with a focus on proactive problem-solving and innovation.

CERTIFICATIONS

Data Analytics (SQL + Power BI)

[Change Mechanics](#) • 2024

Foundations: Data, Data Everywhere

[Google \(Courseera\)](#) • 2023

100 Days of Python Bootcamp by Dr. Angela YU

Udemy • 2023

SKILLS: SQL, Python 3, Machine Learning, NLP, Ms. Excel, Power BI, Power Automate (Web Scraping)