Asmaa Hussain

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Professional Summary

A highly motivated and detail-oriented Computer Engineering graduate with practical experience in data analysis and software development. Skilled in using Python (Pandas, NumPy, Matplotlib, Seaborn, BeautifulSoup), SQL, Power BI, and Excel to perform data cleaning, exploratory data analysis, and create insightful visualizations. Proficient in designing and maintaining databases, writing optimized queries, and building dashboards to support data-driven decision-making. Possesses a solid foundation in computer systems, programming, and algorithm design, combined with a strong analytical mindset and problem-solving skills. An effective communicator with the ability to present technical insights in a clear and concise manner, continuously seeking growth and professional development in the field of data.

Remotely Data Analyst - Chase Bliss Audio– Minnesota, US   Oct 2024

- Data Cleaning and Preparation: This involves filtering the data, handling missing values, and preparing the dataset for analysis to ensure accuracy and relevance.
- Data Exploration and Analysis: use statistical tools and techniques (Python -Pandas) to explore and analyze data, identifying patterns, relationships, and trends.
- Data visualization: create visual representations of data findings through (PowerBI) dashboards to make the data understandable.

Key Competencies

Data cleaning & transformation	SQL	Predictive Analysis
Data visualization	DAX	Problem-Solving
Power BI	Statistical Analysis	Attention To Detail
Python(Numpy, Pandas, Matplotlib)	Data Modeling	

Education

Bachelor Of Science in Computer Engineering- Ahram Canadian University
Graduation Date: August 2024

Internships

1-MCIT / Microsoft – Power BI Training (Aug 2024)

Gained a comprehensive understanding of data visualization, data modeling, DAX functions, and Power Query for ETL processes.

Developed hands-on expertise in building interactive dashboards and reports, transforming raw datasets into actionable business insights.

Practiced applying best practices in data cleansing, relationship management, and performance optimization for scalable analytics solutions.

2-CodeAlpha Apr Data Analytics (May 2025)

Led the development of a dynamic Power BI dashboard to analyze and visualize key performance metrics for a call center, enabling data-driven insights.

Integrated and structured multiple datasets, including Average Handle Time (AHT), Customer Satisfaction (CSAT), chat engagement, and survey outcomes, into a unified analytics model.

Constructed complex data relationships using fields like Case ID and Agent, enhancing cross-filtering capabilities for comprehensive analysis.

Personal Projects

Python scripts and Jupyter Notebooks designed to showcase various data analytics techniques and methodologies.

Compilation of SQL, Tableau, PySpark data analysis related projects and challenges where I practice those skills.

Power BI's built-in Extract-Transform-Load (ETL) tool, Power Query

Data Visualization and Data Analytics with Tableau by solving 3 Realistic Analytics Project

Portofolio –link: (https://github.com/ASmaa821/My_portfolio)