Sahar Osama Elsayed

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Data Scientist

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EDUCATION

Student – Computer and Information Science, Mansoura *(2024 – 2027)*

- **Technical Skills:**

  - SQL, Python, Excel, HTML & CSS (Basic understanding for data dashboards or web-based tools)
  - SQL (Joins, Aggregates, Grouping, Filtering)
  - Data Exploration & Cleaning
  - Working with Relational Databases
  - Jupiter Notebook

- **IT Skills:**

  - Microsoft Office (Word, Excel, PowerPoint)

- **Soft Skills**
  - Excellent teamwork and communication
  - Problem solving and logical thinking

PROJECTS

- **Introduction to Notebook Projects**
  Practiced working in a structured notebook environment.

- **Applied SQL queries to explore datasets using filtering, grouping, and sorting techniques.**

- **Strengthened ability to interpret results and document analysis process effectively.**

- **Analysing Students' Mental Health**

  - **Conducted data analysis on a mental health dataset for students.**

  - **Used aggregate functions (SUM, COUNT, AVG, etc.) to uncover insights.**

  - **Navigated relational database structures to draw meaningful conclusions.**

- **Door Password Lock System**
    Tools : C++, Arduino Uno

  - Developed a door lock system using **C++** on an **Arduino Uno** that requires a password for access.

  - Integrated an **alarm system** to trigger when incorrect passwords are entered.

  - Focused on logic control and hardware interaction using embedded programming techniques.

TRAININGS & CERTIFICATES

- SQL for Data Analysis   [Data Camp]   [2025]
- Career essentials in data analysis   [Microsoft & LinkedIn]   [2025]
- Python   [ITI & Mahara Tech]   [2025]
- Implementation and developing SQL server objects   [Mahara Tech]   [2025]
- Data Fundamentals   [IBM]   [2025]
- Machine Learning for Data Science Projects   [IBM] [2025]

- Languages:

  - Arabic: Native
  - English: Professional