Omar Mohamed Saleh

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Objective

Seeking a challenging opportunity in the field of computer science in a multi-national corporation.

Education

- **Bachelor of Computer Science**, Canadian International College (CIC), Faculty of Computer Science   2023
  Major: Computer Science   **Minor:** Data Science
  GPA: 3.42
  Graduation Project: AI Powered CCTV   **GPA**: 4
  - Implement an AI-based CCTV system to capture and extract license plate information, vehicle types, and colors from live video feeds.
  - Enhance surveillance capabilities by leveraging computer vision techniques to automate license plate recognition and vehicle attribute detection.
  - Enable efficient monitoring and analysis of vehicle-related data to enhance security and facilitate effective decision-making processes.

Experience

- Trainee, **EEE (Egyptian Electrical Engineering Company), Cairo, Egypt**   Aug 2022
  - Learned about the network topology and IP addressing.
  - Figured out the use of racks and the difference between cables used in networks.

- Trainee, **Artronix (Organized by CIC), Cairo, Egypt**   Aug 2021
  - learned how to design in android studio and how to use the Gradle for automate and manage the build process.
  - Worked on a project application.

Projects

- **Hospital Analysis (Power BI, Power Query, SQL, Python, DAX)**   Feb 2025
  - Created a **hospital database schema** using **SQL** with multiple tables, relationships, and constraints.
  - Cleaned and transformed hospital data using **Python** to ensure data accuracy.
  - Built data relationships between **Departments, Patients, Visits, Complaints, Staff, Equipment, and Diagnosis** tables.
  - Utilized **DAX** to calculate KPIs such as total patients served, equipment utilization rates, and average response times.
  - Designed interactive **Power BI dashboards** with visualizations like **Bar, Pie, Line, and Map Charts** to analyze patient visits, financial performance, and complaints.
  - Provided **business recommendations** to optimize resource allocation and improve patient services.

- **Cookies Analysis (Power BI, Power Query, DAX)**   Sep 2024
  - Cleaned and transformed data using **Power Query** and built relationships between Orders, Customers, and Cookie Types tables.
  - Used **DAX** to calculate total profit, revenue, and units sold.
  - Created visualizations such as **Column, Pie, Bar, and Line Charts** to analyze sales performance and customer behavior.

- Designed interactive dashboards with **page navigation** to provide insights into sales trends and product profitability.
- **Order Performance (Excel, Pivot Tables, Visualization)**   Jul 2024

  - Developed multiple pivot tables with conditional formatting to analyze sales data.
  - Categorized orders by product group using a Clustered Column Chart to identify top-performing categories.
  - Highlighted top and bottom 10 products using a Bar Chart for effective inventory management.
  - Displayed monthly sales trends through a Line Chart to aid in forecasting.
  - Analyzed sales by product categories and states with Pie & Doughnut Charts to understand regional performance.
  - Enabled quick filtering by year and quarter using Slicers to track trends over time.
  - This project provided a detailed and visually appealing analysis of sales data, ensuring all aspects from product performance to regional and temporal trends were covered. The data-driven approach supports strategic decision-making and planning.

Courses

- **Data Analyses and Business Intelligence** Diploma, 90 Hours   Jun 2024 – Feb 2025
- **Data Analyses with Python** Couse, 18 Hours, CIC   Apr 2021
- **AI** course, 20 Hours, Huawei Technologies Co.   Jan 2021
- **Python Programming** Course, 24 Hours, CIC   Dec 2020
- **Web Design Training (Career Development Program),** 20 Hours, CIC   Nov 2019

Extracurricular Activities

- Core Team Member, **GDSC (Google Developer Student Clubs), CIC**   2022

Skills

Programming Languages:

- Python
- SQL
- C++
- Java

Tools & Technologies:

- Power BI
- Power Pivot
- Pivot Table
- Power Query
- Microsoft Office (Word, Excel, PowerPoint)
- Android Studio
- Visual Studio
- Cisco Packet Tracer

Language Skills:

- Arabic (mother tongue)
- Good command of English
- Fair command of written French

References furnished upon request