MOHAMED ASHRAF

Data Analyst

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Professional Summary

Motivated and detail-oriented Computer Science graduate with strong expertise in data analytics and ERP systems. Skilled at transforming raw data into actionable insights using Python, SQL, Power BI, and Excel. Proven ability to build full-stack applications and dashboards that drive decision-making. Passionate about solving business problems through technology and collaborating in fast-paced environments.

Education

Bachelor of Computer Science (Information Systems Department)
Future University in Egypt, Cairo, Egypt
Sep 2021 – Jul 2025
Senior Project:" AMMMY ERP"→ Modular ERP With Integration Capabilities

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Technical Skills

Power BI (DAX, Power Query, dashboards) **|** Excel (Pivot Tables, charts, formulas) **|** SQL (T-SQL, MySQL, joins, CTEs, optimization) **|** Python (Pandas, NumPy, Matplotlib, Seaborn) **|** Data Modeling & ETL (Star Schema, Power Query) **|** Database Design (SQL Server, MySQL) **|** Machine Learning (EDA, regression, classification) **|** ERP Systems **|** Git & GitHub **|** Data Visualization & Business Intelligence **|** KPI & Trend Analysis **|** Problem Solving & Analytical Storytelling.

Projects

AMMMY ERP – Modular ERP System for Tech Companies
• Built 11 custom **ERP modules** with operational **dashboards** using **Python**, integrating backend logic in JavaScript (EJS) and styled with SCSS.
• Designed and optimized a **MySQL database** for efficient **query performance** and modular scalability.

Real Estate Analytics Dashboard
• Created an interactive **Power BI** dashboard to analyze property sales, revenue trends, and agent performance.
• Implemented dynamic **slicers**, **KPIs**, and **visual** insights to track conversion rates, client visits, and market segments.

HR Analytics Dashboard

• Developed an **Excel** dashboard using **PivotTables** and **charts** to monitor key HR metrics and performance trends.

• Visualized data for attrition rate, department headcount, and employee performance insights.

AdventureWorks2022 Sales Analytics

• Conducted **SQL**-based sales and customer analysis, calculating **KPIs** like Sales Revenue, CLV, and Delivery Efficiency.

• Published results via **Power BI** dashboards highlighting revenue growth, customer loyalty, and delivery trends.

Bike Store Sales Analytics Dashboard

• Built an end-to-end **Power BI** data model linking sales, stores, customers, and staff tables using **SQL queries**.

• Designed interactive **visuals** and **KPIs** (total sales, AOV, discount %) to analyze performance by store, product, and month.

Certifications

- Data Analytics Job Simulation – Deloitte / Forage

- Introduction to Python – Data Camp

- Introduction to GitHub Concepts – Data Camp

- Data Analysis & Machine Learning – Summer Training, Future University in Egypt

- Data Summer Camp Training: 60-hour data analytics training (Excel, Power BI, SQL, Python, ML) – Alaa Essam Academy

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Internship Experience

Data Analytics Intern — *Codveda Technologies (Remote)* **Sep 2025 – Oct 2025**

- Completed a hands-on internship applying **Python and Power BI** for data analysis, visualization, and machine learning to generate actionable business insights.

Personal Skills

Strong Communication **|** Time Management **|** Team Collaboration **|** Problem Solving **|** Self-Learning