

Mariam Medhat Omar

Data Analyst

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Professional Summary

Data Analyst with expertise in Python, SQL, and Power BI, experienced in transforming raw data into actionable insights. Skilled in data cleaning, visualization, and predictive modeling. Proven ability to develop interactive dashboards that improve decision-making efficiency by 30%. Seeking to leverage analytical skills in a data-driven environment.

Education

B.Sc. in Computers and Data Science

10/2023 – Present

Alexandria University

Relevant Coursework: Data Structures, Statistics, Machine Learning, Database Systems

Experience

Power BI Specialist Intern

11/2025 – Present

DEPI (Digital Egypt Pioneers Initiative) – Ministry of Communication and Information Technology — Alexandria, Egypt

- Developed 5+ interactive Power BI dashboards for structured data analysis, used by 15+ team members
- Cleaned and transformed 10,000+ records using Power Query, reducing data processing time by 25%
- Created 15+ DAX measures and calculated columns to track KPIs and performance metrics
- Built optimized data models with 6–8 tables, improving report loading speed by 40%
- Automated manual Excel reporting, saving approximately 30 hours monthly

Data Analytics Mentor

09/2025 – Present

Arabian Academy — Alexandria, Egypt

- Mentored 100+ learners in data analysis concepts and practical assignments
- Monitored student performance, resulting in 20% improvement in average assignment scores
- Created 10+ learning resources and practice datasets for student use

AI Data Analyst Intern

02/2025 – 03/2025

Excelerate (Remote)

- Cleaned and analyzed educational datasets using pandas and matplotlib
- Built and evaluated predictive models (Logistic Regression, Decision Trees) with 85% accuracy
- Identified key factors influencing student behavior, enabling targeted interventions

Extracurricular Activities

GDG On-Campus, FCDS — Human Resources Team Member

03/2025 – 12/2025

Alexandria, Egypt

- Coordinated 10+ technical events with 200+ total attendees
- Improved team communication workflows, reducing meeting times by 25%

- Prepared 10+ technical presentations and coding workshops
- Collaborated with 5–10 members to deliver educational programming activities

Certificates

Data Analyst in Power BI – DataCamp (2026)

Comprehensive training on data modeling, creating interactive dashboards, DAX formulas, and visual analytics using Power BI. Developed the ability to transform raw data into actionable business insights.

Associate Data Analyst in SQL – DataCamp (2025)

Focused on SQL queries, data extraction, manipulation, aggregation, and database management. Gained hands-on experience in querying large datasets and preparing data for analysis.

Data Analyst in Python – DataCamp (2025)

Covers Python programming for data analysis including pandas, NumPy, and data visualization with matplotlib and seaborn. Learned data cleaning, wrangling, and performing statistical analysis on real datasets.

Projects

Contract, Payments & Retention Dashboard — Power BI Project

- Developed comprehensive Power BI dashboard analyzing contracts, payments, and customer retention
- Implemented interactive visuals enabling 50% faster business decision-making
- Identified 3 key retention factors, leading to 15% improvement in customer loyalty strategies

Student Performance Prediction — Machine Learning Project

- Used SVM and Neural Networks to identify academic success factors with 87% accuracy
- Processed 5,000+ student records to extract meaningful patterns
- Provided actionable recommendations for academic support programs

Regression & Classification Models — Data Science Project

- Implemented Linear and Logistic Regression on real-world datasets
- Compared model performance across multiple evaluation metrics
- Documented findings in technical report with visualization

Skills

Technical Skills:

- **Programming:** Python (pandas, NumPy, scikit-learn), R, SQL, C, C++, Java
- **Data Visualization:** Power BI, matplotlib, seaborn, Excel (Advanced)
- **Data Analysis:** Data Wrangling, Statistical Analysis, A/B Testing, Predictive Modeling
- **Tools:** Jupyter Notebook, VS Code, Git/GitHub, Google Colab, Power Query

Soft Skills:

- Leadership
- Teamwork
- Communication Skills
- Presentation Skills
- Problem Solving