

# Mariam Medhat Omar

## Technical Trainer — Data Analyst

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### Professional Summary

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Data Analyst and Technical Trainer with experience in mentoring learners, coordinating training activities, and delivering hands-on technical support in educational environments. Skilled in Python, SQL, Excel, and Power BI, with strong ability to simplify technical concepts and support interactive learning experiences. Passionate about helping learners develop practical skills through engaging and structured training sessions.

### Education

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**Bachelor's Degree in Computers and Data Science** 10/2023 – Present  
Alexandria University

### Experience

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**Program Coordinator — Eyouth (Part-time)** 05/2026 – Present

- Coordinated training schedules, session organization, and participant communication.
- Followed up with students regarding attendance, tasks, and technical support.
- Assisted instructors in managing sessions and ensuring smooth workflow during training activities.

**Technical Coach — Freelance YARD (Part-time)** 04/2026 – Present

- Provided technical coaching to over 50+ learners in data analysis tracks.
- Conducted 1:1 and group mentoring sessions (10–15 learners per session) explaining core concepts in Excel and Power BI.
- Guided learners through hands-on activities and practical projects in data analysis.

**Data Analyst — Khamsat / Mostaq (Freelance Projects)** 01/2026 – Present

- Delivered data analysis and Excel/Power BI solutions for clients.
- Cleaned and transformed datasets to support business insights.
- Maintained 5/5 client ratings across multiple completed projects.
- Communicated with clients to understand requirements and deliver data-driven reports.

**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 — Arabian Academy (Part-time)** 09/2025 – 01/2026

- 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 — Excelerate (Remote)** 02/2025 – 03/2025

- Cleaned and analyzed educational datasets using pandas and matplotlib
- Built and evaluated predictive models (Logistic Regression, Decision Trees) with 85% accuracy

## Extracurricular Activities

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**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%

**HackerRank Campus Club — Scientific Team Member** 10/2023 – 12/2024  
Alexandria, Egypt

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

## Certificates

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### 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

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### 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

## Skills

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### Technical Skills:

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