

Mohamed Mosaad

Data Engineer

Cairo , Egypt | muhamed.mosadd@gmail.com | +20 1069781595 | [LinkedIn](#) | [Github](#)

SUMMARY

Detail-oriented Computer Science graduate with strong foundations in Data Engineering, including SQL, Python, ETL processes, and Data Warehousing. Recently completed a comprehensive Data Engineering Track with real-world projects and hands-on experience using Oracle, Informatica PowerCenter, and Linux. Passionate about building reliable data pipelines and transforming raw data into structured, accessible insights.

TECHNICAL SKILLS

<ul style="list-style-type: none">• Python , SQL , Bash• Oracle DB , MYSQL DB• informatica Power Center• Linux , Pandas , Numpy• Git & Github	<ul style="list-style-type: none">• Data Warehousing• ETL, ELT• Dimensional Modeling• Data Normalization• Shell Scripting	<ul style="list-style-type: none">• API Integration• Database Design• Performance Tuning• Data Cleaning• Power BI & Excel
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PROFESSIONAL EXPERIENCE

Data Analyst | Elshawwa Trading Group

Feb 2025 - Present

- Managed daily reports and designed weekly dashboards for managerial decision-making.
- Performed exploratory data analysis to identify business insights and trends.
- Optimized data analysis using Microsoft Dynamics and Orchida ERP systems.
- Automated daily sales reporting, reducing manual work by 50%.

Microsoft Machine Learning Engineer Internship | Next Academy (DEPI)

Dec 2023 - Jul 2024

- Mastered core ML concepts including statistics, linear algebra, and data science with Python
- Built and deployed ML pipelines; explored MLOps with MLflow and Hugging Face
- Completed Azure AI , gained hands-on experience with GANs , NLP, and prompt engineering

EDUCATION

B.Sc. in Computer & Information Sciences

Aug 2020 - Jul 2024

- Mansoura University—Graduated 2024
- Major in Computer Science
 - Grade: Very Good (GPA equivalent: 3.1/4.0)
 - Graduation Project: Excellent with Honors

COURSES

Data Engineering Track

- By EJADA Engineers & ITI Instructors – Online Live (40+ hours)
- SQL & Database Design · Data Warehousing · ETL with Informatica · Linux & Shell Scripting
- Python for Data Pipelines & API Integration

PROJECT

- Oracle SQL Project:** Built normalized relational schemas, optimized complex queries
- DWH Project:** Designed and implemented a complete Data Warehouse with business reporting
- ETL Project:** Developed a full Informatica ETL workflow including SCD logic
- Linux Scripting:** Monitored simulated server events via custom shell scripts
- Python Pipeline Project:** Extracted and transformed multi-source data and loaded it into Oracle DB