MAMDOUH TAREK

Data Engineer and reporting Analyst

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SUMMARY

Results-driven Reporting Analyst and Data Engineer, adept at transforming raw data into actionable insights. Skilled in data analysis, visualization, and optimizing infrastructure for efficient decision-making.

SKILLS AND CONCEPTS

Excel, SQL, Python, Power BI, Statistics, Datawarehouse, ETL, Postgresql, SQL Server, SSIS, Big Data, Linux, DAX, ERP Odoo, Dimensional Modeling,

EXPERIENCE

Oct./2023 Present/

-Business Data Analyst
EGPI (Egyptian Group for Pharmaceutical Industries)

• Collaborated with the board in strategic meetings to align data analytics initiatives with organizational goals, ensuring effective communication of insights for informed decision-making and sustained business growth.

Aug./2023 Oct./2023

-Software and Business Analysis Internship
EjadTech

• Internship in Odoo ERP development using PostgreSQL and python .
• Performed in-depth analysis of business requirements, translating insights into a Software Requirements Specification (SRS) document. This document serves as a detailed guide of business needs.

June/2023 Aug./2023

-Big Data Engineer Intern
NTI-National Telecommunication Institute

• I have learned the concepts, basics, and trends of Big Data technologies and distributed systems and also have hands-on experience with big data tools.

Nov./2020 Apr./2023

-First lieutenant at Air Defense Forces
Egyptian Air Defense Commands

• Operator and Maintenance Engineer Of an Air defence system.

Oct/2019 Nov/2019

-AI Intern
IBM

• During the internship, I learned about IBM Cloud and created mini-AI projects. I also got certified as an Artificial Intelligence Analyst: Mastery Award 2019.

PROJECTS

Northwind DataWarehouse
Designing a star schema data warehouse based on the Northwind database and implementing the ETL process using the SSIS tool.

Graduation project : Smart Farm Monitoring System
Developed a smart device using Arduino and NodeMCU to monitor farm conditions, measuring temperature, humidity, and illumination. Enabled seamless data transmission to a mobile app through cloud connectivity, showcasing IoT and real-time monitoring skills.

EDUCATION

Apr./2015 Aug./2020

-B.S. in Electronics and Telecom Engineering
Bachelor's in Telecom and Electronics Engineering, providing a solid foundation for analytical problem-solving and technical expertise.

June/2023 Aug./2023

-Big Data Training
NTI-National Telecommunication Institute

I have learned the concepts, basics, and trends of big data technologies and distributed systems. I also have hands-on experience with big data tools and got HCIA-Big Data certification from Huawei.

ACTIVITIES

IBM Digital - Nation Africa Competition
IBM Digital-Nation Competition Aim is Mitigating Egypt's environmental challenges through tech innovationand leverage IBM's Digital-Nation Africa for sustainable solutions addressing air and water pollution.

Ever Egypt Competition
EVER Egypt: National competition challenges young engineers to design and drive urban electric vehicles. Seminars and workshops enhance participant readiness for sustainable transportation solutions.