

Mohamed Fatouh

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🔗 github.com/mohamedfa 🔗 Portfolio: mohamedfatouh.vercel.app 🛡 Military Service: Completed in 2024

PROFILE

Passionate data analyst with a Computer and Systems Engineering background. Skilled in transforming raw data into actionable insights using Power BI, Python, and SQL. Experienced in building interactive dashboards, automating data pipelines, and supporting data-driven decision-making across various industries.

INTERNSHIPS

Power BI Development Track Mar 2025 – Jul 2025
4-month Program, Intensive Code Camp (ICC), Intensive Training Program (ITP), Information Technology Institute (ITI), Ministry of Communication and Information Technology (MCIT), Zagazig Branch

Advanced Data Analysis Nanodegree Oct 2021 – Feb 2022
4-month Program, Egypt FutureWork is Digital (FWD), Ministry of Communications and Information Technology (MCIT), Information Technology Industry Development Agency (ITIDA), Udacity

Data Analysis Professional Nanodegree Oct 2020 – Jan 2021
3-month Program, Egypt FutureWork is Digital (FWD), Ministry of Communications and Information Technology (MCIT), Information Technology Industry Development Agency (ITIDA), Udacity

EXPERIENCE

Operations Coordinator, World Urban Forum 12 Oct 2024 – Nov 2024
- Managed technical operations for VIP conference rooms, ensuring seamless execution of hybrid events for 25,000+ participants.
- Resolved real-time technical issues, reducing downtime by 40%.
- Coordinated with vendors to deliver customized solutions that met UN event standards.

TRAINING

Data Analyst Intern, NeuronetiX Aug 2024 – Oct 2024
- Retrieved and cleaned data from multiple sources, improving data quality by 25%.
- Conducted exploratory analysis using Python and Excel to identify key trends and insights.
- Developed 5+ interactive Power BI dashboards, enhancing stakeholder reporting efficiency.

EDUCATION

Bachelor's degree in Computers and Systems Engineering, Sep 2017 – Jul 2022
Faculty of Engineering, Zagazig University

Graduation Project: Indoor Covid Tracking System - A system to control doors using facial recognition and mask detection to limit the spread of Covid indoors.

Tools: Raspberry Pi, Python, NumPy, SciPy, OpenCV, TensorFlow

Project Grade: Excellent

PROJECTS

Examination Management System
A full-stack system for managing educational institutions, covering branches, students, instructors, courses, schedules, and exams.
- Designed a normalized database (29 tables, 116 stored procedures).
- Implemented a data warehouse and built 20+ Power BI dashboards.
- Developed a web app for instructors and students.
Tools: Power BI, SQL, SSMS, SSIS, SSRS, HTML, CSS, Javascript, Node.js

Adventure Works Sales Dashboard
- Built an interactive Power BI dashboard to analyze sales metrics and product performance.
- Designed KPIs, identified top-performing regions, and delivered insights that guided business decisions.
Tools: Power BI, SQL

Netflix Shows Analysis
- Analyzed 8,800+ Netflix titles, uncovering key content trends.
- Built a 2-page Power BI report with slicers, KPIs, and branded visuals.
Tools: Power BI, Excel

Adidas Sales Analysis [↗](#)

- Performed exploratory and descriptive analysis of Adidas sales data, focusing on product performance, regional trends, and retail channels.
 - Designed and implemented multi-page dashboards (Overview & Details) with dynamic filters for interactive insights.
 - Ensured visual consistency with Adidas branding.
- Tools:** Tableau, Excel

Udemy Courses Analysis [↗](#)

- Explored Udemy courses to extract valuable insights and provide a comprehensive analysis.
 - Cleaned data using Google Colab and performed EDA with Python.
 - Created visualizations using Plotly and Matplotlib, and applied the Simple Imputer algorithm to handle missing data.
- Tools:** Python, Pandas, Seaborn, Plotly

TECHNICAL SKILLS

Python: Numpy | Pandas | Matplotlib | Seaborn, **Power BI:** DAX | Power Query | Data Modeling | Data Visualization, **Excel:** Pivot Tables | Data Validation, **Database:** T-SQL | SQL Server Management System (SSMS) | Data Modeling, **Tableau, ETL:** SQL Server Integration Services (SSIS), **OOP, Data Structures**

INTERPERSONAL SKILLS

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| - Analyze data with precision | - Explain complex ideas clearly |
| - Solve challenges creatively | - Prioritize tasks efficiently |
| - Collaborate effectively in teams | - Adjust quickly to new situations |

COURSES & CERTIFICATES

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| - Associate Data Analyst DataCamp ↗ | - Associate Data Analyst in SQL - Track DataCamp "In Progress" ↗ |
| - Power BI Fundamentals DataCamp ↗ | - Machine Learning Scientist with Python - Track DataCamp ↗ |
| - Machine Learning Stanford Online Coursera ↗ | - Excel Basics for Data Analysis IBM Coursera ↗ |
| - Data Visualization with Advanced Excel PWC Coursera ↗ | - SQL (Intermediate) Certificate HackerRank ↗ |
| - Intermediate DAX in Power BI DataCamp ↗ | - Data Engineering Foundations LinkedIn ↗ |
| - Intermediate Data Modeling in Power BI DataCamp ↗ | - Storytelling with Data (Book) ↗ |

LANGUAGES

Arabic Native	English B2
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