Mohamed Fatouh

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🛡 Military Service: Completed in 2024   in LinkedIn ⬤ GitHub 🔗 Portfolio

PROFILE

Data-driven problem-solver with a Computer and Systems Engineering background. Skilled in data analysis and visualization, seeking to bridge the gap between raw data and actionable insights. Eager to leverage Data Engineering and Data Analytics to tackle real-world challenges.

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
 - Oversaw technical operations for VIP conference rooms, managing audio-visual systems and hybrid event logistics for global stakeholders.
 - Coordinated cross-functional teams and resolved real-time technical issues to ensure seamless execution of critical sessions.
 - Collaborated with vendors to deliver tailored solutions aligned with UN event standards.

TRAINING

Data Analyst Intern, NeuronetiX   Aug 2024 – Oct 2024
 Extracting, cleaning, exploring, analyzing, and visualizing data using Python, Excel, and Power BI.
 - Retrieved data from various sources and applied cleaning techniques to ensure data integrity and accuracy, laying the groundwork for effective analysis.
 - Utilized Python and Excel to explore datasets, performing analyses that identified trends, patterns, and insights critical to our projects.
 - Created engaging and informative visualizations in Power BI, effectively communicating findings to stakeholders and supporting data-driven decision-making.

EDUCATION

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

 Indoor Covid Tracking System (Graduation Project) 🔗
  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 with 29 tables and 116 stored procedures.
 - Implemented a full data warehouse for analytics.
 - Built 20 dashboards and KPIs using Power BI and SSRS.
 - Developed a web app for instructors and students.
 Tools: Power BI, SQL, SSMS, SSIS, SSRS, HTML, CSS, Javascript, Node.js

Analyzing Sales Data from Adventure Works 🔗
 Built a Power BI dashboard to analyze key sales metrics, trends, and product performance from the Adventure Works Sales Data.
 - Created KPIs for total sales, orders, tax, and freight.

- Designed charts to visualize sales by date, territory, and product category.
- Identified top-selling products and regions.
- Provided insights to support data-driven decision-making.

Tools: Power BI, Microsoft SQL Server

Netflix Shows Analysis ✎

Analyzed more than 8,800 Netflix content trends.
- Cleaned and transformed data using Power Query.
- Built a star schema model.
- Designed 2-page report with slicers, KPIs, charts, and page navigation.
- Branded the dashboard using Netflix-themed visuals and colors.

Tools: Power BI

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)
- Conducted data-driven analysis of sales, profit, and unit distribution
- Integrated dynamic filters to support user-driven insights
- Ensured visual consistency with Adidas brand guidelines

Tools: Tableau, Excel

Udemy Courses Analysis ✎

Explore Udemy courses to extract valuable insights and provide a comprehensive analysis.
- Cleaning data using a Colab notebook.
- Conducting Exploratory Data Analysis (EDA) with Python.
- Creating visualizations using Plotly and Matplotlib.
- Employing the Simple Imputer algorithm to predict missing values.

Tools: Jupyter, Python, NumPy, Pandas, Matplotlib, 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

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

COURSES & CERTIFICATES

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

LANGUAGES

Arabic
Native

English
B1