Esraa Yaser Gaber Elzaghal | Data scientist

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Freelance AI & Data Science Specialist | Power BI • ML Models • Python • SQL

Data Scientist with hands-on experience in Machine Learning, data visualization, and dashboard development using Power BI. Skilled in Python, SQL, and DAX with a strong understanding of transforming raw data into actionable business insights. Proven ability to work on freelance projects and deliver real-world solutions across various industries. Passionate about leveraging data to support decision-making and continuous improvement.

Skills

- **Technical Skills**

  Data Science (EDA, Cleaning, ML, Model Evaluation)

  Power BI (DAX, Dashboard Design)

  Visualization (Matplotlib, Seaborn, Power BI Visuals)

  MySQL│Git & GitHub │Excel , Google Sheets │Jupyter Notebook

- **Soft skills**

  Time Management │ Problem Solving │ Self-learning │ Teamwork │ Communication │ Goal Setting │ Planning & Prioritization │ Leadership Basics

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🏢 Experience & Training

- Data Science Trainee – Digital Egypt Pioneers (MCIT)
  Tanta (Hybrid) | Oct 2024 – May 2025

Trained in Python, SQL, ML & Power BI. Completed real-world case studies and team projects.

- **Data Science Intern – CodSoft**
  Remote | Mar – Apr 2025
  Built ML models and performed data analysis (e.g., Iris dataset). Published clean code and visuals on GitHub.
- **Data Science Intern – Code Alpha**
  Remote | Jun – Jul 2025
  Worked on ML workflows: data cleaning, model development, and evaluation using Python tools.
- **Freelance Data Scientist – ITIDA GIGs Platform**
  Remote | 2025 – Present
  Delivered Power BI dashboards and Python-based analysis for real clients using SQL, DAX, and visual insights.

Projects

- **Rossmann Sales Forecasting (Graduation Project – Digital Egypt Pioneers Initiative)**
  Collaboratively developed a machine learning model using Python and scikit-learn on the Rossmann Store Sales dataset. Applied data cleaning, feature engineering, and model optimization techniques, resulting in a notable reduction in prediction error compared to baseline models.

  [Rossmann Sales Forecasting Project](#)

- **Iris Flower Classification & Dashboard**
  Built a classification model using Python and scikit-learn. Visualized data insights and predictions through a Power BI dashboard.

  github.com/esraayaser114/Iris-Flower-Classification

Certificates

- **Digital Egypt Pioneers – AI & Data Science Track**
  Ministry of Communications (MCIT) | Oct 2024 – May 2025
- **IBM SkillsBuild Digital Training Program – Artificial Intelligence**
  Online | Completed in 2024
- **"Meshwary" Program – UNICEF Egypt**
  On-site | Jan 29 – Feb 19, 2021