

Esraa Yaser Gaber Elzaghal | Data scientist

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

I'm Esraa Yasser — a passionate Data Scientist and AI enthusiast on a mission to turn raw data into real impact.

For me, data is more than numbers; it's a powerful story waiting to be uncovered, a hidden pattern waiting to be unlocked, and a tool that drives smarter decisions. With a background in Computer Science and a growing expertise in AI and Data Analysis, I specialize in extracting insights that matter and building intelligent solutions that make a difference.

Work Experience

technical

Data Science Trainee – Digital Egypt Pioneers Initiative (MCIT)

Online & On-site – Tanta Branch / Oct 2024 – May 2025

- Selected to join the national **Digital Egypt Pioneers Initiative**, launched by the Ministry of Communications and Information Technology (MCIT).
- Received structured training in **Python, SQL, Machine Learning, and Power BI**, combining online courses with on-site sessions in Tanta.
- Completed hands-on case studies and team-based projects simulating real-world data scenarios.
- Engaged with mentors and industry professionals as part of a data science-focused learning path.

Data Science Intern – CodSoft

Remote / Mar 2025 – Apr 2025

- Completed hands-on projects in **data analysis** and **machine learning**, including tasks like **Iris classification** and **exploratory data analysis (EDA)**.
 - Published multiple projects on GitHub demonstrating skills in **model development**, **data cleaning**, and **data visualization using Python**.
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Data Science Intern – Code Alpha

Remote / Jun 2025 – Jul 2025

- Participated in a short-term internship focused on **data science and machine learning applications**.
 - Built and tested ML models using Python and libraries such as scikit-learn and Pandas.
 - Completed mini-projects involving **data preprocessing**, **feature engineering**, and **model evaluation**.
 - Strengthened practical understanding of core data science workflows.
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AI Learner – IBM Artificial Intelligence Training

Online / Self-paced / 2025

- Completed foundational training in **Artificial Intelligence**, including concepts of **machine learning**, **neural networks**, and **deep learning**.
 - Practiced hands-on exercises and mini-projects using IBM tools and open-source Python libraries.
 - Gained practical understanding of how AI is applied in **business**, **automation**, and **data-driven solutions**.
 - Successfully earned a certificate of completion for the IBM AI skills path.
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Soft skills

Participant – “Meshwary” Youth Development Program (UNICEF Egypt)

On-site / Jan 29, 2021 – Feb 19, 2021

- Participated in an interactive, on-site personal development program organized by UNICEF Egypt.
- Received training in **time management**, **goal setting**, **positive habits**, and **self-awareness**.
- Engaged in workshops and group activities designed to build leadership, communication, and planning skills.

Freelance Data Scientist – ITIDA GIGs Platform

Remote – Egypt / 2024 – Present

- Worked on client projects involving data visualization, business dashboards, and Python-based data analysis.
 - Delivered high-quality freelance work using Power BI, Python, and SQL.
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Technical Skills

- **Data Science:** Data Cleaning, Exploratory Data Analysis (EDA), Machine Learning, Model Evaluation
 - **Programming Languages:** Python (Pandas, NumPy, scikit-learn), SQL
 - **Business Intelligence:** Power BI (DAX, Power Query, Dashboard Design)
 - **Data Visualization:** Matplotlib, Seaborn, Power BI Visuals
 - **Version Control:** Git, GitHub
 - **Databases:** MySQL
 - **Other Tools:** Excel, Google Sheets, Jupyter Notebook
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Soft Skills

- Time Management
 - Problem Solving
 - Self-learning & Adaptability
 - Teamwork & Collaboration
 - Communication Skills
 - Goal Setting & Discipline
 - Leadership Foundations
 - Planning & Prioritization
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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.
 - https://github.com/AbdallahmanOthman01/AIS4_S1_3

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

- https://github.com/esraayaser114/codsoft_tasks/tree/Task_3

Certifications & Achievements

- **Freelance Project Completion – ITIDA GIGs Platform**
(2024 – Present)

Technical Certifications

- **Digital Egypt Pioneers Initiative – Data Science Track**
(Ministry of Communications & IT, Oct 2024 – May 2025)
 - **Data Science Internship Certificate – CodSoft**
(Mar 2025 – Apr 2025)
 - **Data Science Internship Certificate – Code Alpha**
(Jun 2025 – Jul 2025)
 - **IBM SkillsBuild – Artificial Intelligence Program**
Online | Completed in 2024
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💡 Soft Skills & Personal Development

- **“Meshwary” Program – UNICEF Egypt**
On-site | Jan 29 – Feb 19, 2021
 - **Modern Leadership Skills – STJEGYPT**
Issued: Apr 9, 2025
 - **Communication Skills – STJEGYPT**
Issued: Apr 8, 2025
 - **Time Management & Organization – STJEGYPT**
Issued: Apr 13, 2025
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Languages

- **Arabic:** Native
- **English:** Proficient