

Youssef Mohamed Mohamed

Data Scientist

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Portfolio: [Youssef Mohamed's Portfolio](#)

Career Objective

Motivated and results-driven Data Scientist | Data Analyst with strong expertise in data analysis, machine learning, and statistical modeling. Adept at deriving actionable insights from complex datasets to drive informed decision-making. Seeking to apply analytical skills, data mining, and predictive modeling expertise to help organizations optimize processes and achieve data-driven outcomes.

Professional Experience

- 1- In-person Trainer | Yat Training Center | June 2024 – Present
 - Conducted hands-on training sessions for teens (ages 13–16), focusing on technical skills development.
 - Managed and facilitated practical workshops, ensuring student engagement and understanding of core concepts.
 - Developed training materials to enhance learning outcomes and foster interest in technology.
- 2- Digital Egyptian Pioneers Initiative “DEPI”- ‘IBM Data science Track ‘ | Ministry of Communications and Information Technology (MCIT)

Education

Bachelor of Engineering in **Computer Science Engineering**

Faculty of Electronic Engineering, Menoufia University – Menoufia, Egypt | 2019 – 2024

- **GPA:** 71.95% (Graduated with Honorary Degree)
- **Graduation Project:** Smart Agriculture System Using AI and IoT
 - Implemented Plant Disease Detection using AI and Deep Learning techniques.
 - Developed a Crop Recommendation System using Machine Learning integrated with IoT-based sensors.

Certifications and Training

- Database Fundamentals | MaharaTech – 2024
- AI and IoT Training | National Telecommunication Institute (NTI) – 2023
- PCB Design Workshop | IT Industry Development Agency (ITIDA) – 2021
- Python Basics and Intermediate Python | **Datacamp** – 2023
- Data Manipulation with pandas | **Datacamp** – 2023
- Introduction to Data Science in Python | **Datacamp** – 2023
- C++ Programming Course | Faculty of Electronic Engineering (FEE) – 2022

Technical Skills

Programming Languages:

- Python, Java, C++

Data Science & Machine Learning Tools:

- Pandas, Numpy, Matplotlib, Seaborn, Plotly, TensorFlow, Keras

Database Management:

- SQL (SQL Server)

Version Control Systems:

- Git & GitHub

Software Development Principles:

- OOP (Object-Oriented Programming), SOLID Principles

Additional Skills:

- Machine Learning, Deep Learning, Problem Solving, Data Analysis, Statistical Modeling

Data Visualization:

- Power BI

Soft Skills

- Critical Thinking & Problem Solving
- Communication & Collaboration
- Adaptability & Continuous Learning
- Research
- Presentation
- Attention to Detail
- Storytelling with Data

Languages

- Arabic: Native Proficiency
- English: Full Professional Proficiency
- Italian: Beginner