**Youssef Hatem**

Data Scientist

**Contact**

Email: [hatemyoussef032@gmail.com](mailto:hatemyoussef032@gmail.com)

Phone: 01112751650

Address: 6th of October, Giza

**Description**

A motivated computer science student specializing in data science, with a solid foundation in statistical analysis, machine learning, and data visualization. Proficient in Python and SQL, with experience in cleaning and analyzing large datasets to uncover actionable insights and build predictive models. Eager to apply strong problem-solving skills and a continual learning mindset to contribute effectively to innovative, technology-driven projects.

**Education**

Third year in the College of Information Technology **(Oct 2023 – Expected Jun 2027)**

Misr University for Science and Technology (MUST)

GPA 3.5

**Skills**

**Programming Languages**: Python, SQL, C++, Java

**Libraries**: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

**Soft Skills:**

* Effective Communication
* Problem-Solving
* Teamwork
* Time Management
* Curiosity and Continuous Learning
* Adaptability

**Experience**

**Digital Egypt Pioneers Initiative -DEPI (AI & Data Science) Internship (Oct 2024 – May 2025)**

(8 months). Cairo, Egypt. Hybrid

Equipped me a comprehensive understanding of cutting-edge technologies and practical skills essential for a career in data science and AI. The program provided proficiency in Python, SQL, and data visualization tools, enabling me to analyze complex datasets and derive actionable insights. I developed strong proficiency in machine learning techniques, including predictive modeling and natural language processing, through hands-on projects. Additionally, I developed soft skills such as effective communication, teamwork, and creative problem-solving, preparing me to contribute to innovative tech solutions in a collaborative environment.

**Projects**

**Customer Churn Prediction and Analysis DEPI | (Feb 2025 – May 2025)**

* Achieved accurate customer churn prediction using machine learning models. Utilized historical data, feature engineering, and exploratory data analysis to identify churn patterns and enhance retention strategies.
* Deployed using Streamlit for interactive visualization and retention strategy enhancement.

**Smart Irrigation System college | (mar 2025 – may 2025)**

* Smart Irrigation System: Developed using Arduino, it integrates a soil moisture sensor, an I2C LCD display, and a water pump for automated irrigation based on moisture levels.
* Key Features: Monitors moisture in real-time (0–100%), controls the pump when moisture is below 20% or above 80%, and displays status on an LCD.

**Courses**

* Data Analytics Foundations, **LinkedIn**
* Artificial Intelligence Fundamentals, **IBM**
* Introduction to data science, **Cisco**
* Python for Data science, **IBM**
* Data visualization using python, **IBM**
* Machine Learning using Python, **Simplilearn**

**Languages**

* **Arabic**: native
* **English**: professional level