

Youssef Hesham

DATA SCIENTIST

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Summary “We Can Change the World Through the Data”

Passionate **Data Science & AI** student with experience in **data analysis**, **machine learning**, and **AI-driven solutions**. Proficient in Python, **data visualization**, and **predictive modeling**. Dedicated to solving complex problems and providing actionable insights through data.

Education

Bachelor’s Degree of Science in Artificial Intelligence, **Alexandria University**

2023 - 2027

Experience

Digital Egypt Pioneers Initiative (DEPI)

AI & Data Science Training

Data Scientist Trainee

October 2024 – May2025

- Gained hands-on experience in **machine learning**, **data analysis**, and **visualization**.
- Worked with **Python**, **SQL**, and **AI development tools** for data-driven decision-making.
- Developed interactive **dashboards** and **predictive models** to extract business insights.
- Applied **MLOps (MLflow & Hugging Face)** for efficient model deployment.
- Explored **big data techniques** and **databases** for scalable data processing.

Projects

Sales Forecasting Model

September 2024 - December 2024

- Developed a machine learning model to predict product sales trends.

Recommendation System

September 2024 - December 2024

- Built a recommendation system using collaborative filtering.

Data Analysis Dashboard

September 2024 - December 2024

- Created an interactive dashboard for business insights.

Courses

Introduction to Data Analytics –

October - 2024

Python for Data Science, AI & Development – IBM

December - 2024

Skills & abilities

Programming

- Python, C++, Java,R,Php,JavaScript,Hyaml,Css

Data Management & Programmin

- Databases: Skilled in SQL Server, PostgreSQL, and MySQL for efficient data management and retrieval.
- SQL: Advanced proficiency in T-SQL, DQL, DDL, and DML for complex querying and database manipulation.
- Python: Expertise in Exploratory Data Analysis (EDA), NLTK, Spacy, PyTorch, TensorFlow, and Transformers for data analysis, manipulation, machine learning, and deep learning tasks.

Data Science

- Skilled in Pandas, NumPy, Scikit-learn, TensorFlow

Data Analysis & Visualization

- Proficient in Power BI, Tableau, and Excel to create clear, impactful visualizations that drive data-driven decision-making.

Soft Skills

Leadership | Emotional Intelligence | Communication | Team Working | Problem Solving

Languages

English: B1