Shahd Mostafa Farouk

Data Scientist

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Profile

I am a Junior Data Scientist and Computer Science student at Cairo University with a strong foundation in AI and ML. Hands-on experience in training and evaluating supervised learning models using Python and core ML libraries, with a focus on improving model performance and solving real-world problems. Experienced in building practical applications using Python, C++, Java. Passionate about developing intelligent and actively seeking an internship or entry-level role in Data Science, AI, or software development to apply skills, grow professionally.

Education

B.Sc. of Computers and Artificial Intelligence, Cairo University   Sep 2023 – Jul 2027
- **Major:** Artificial Intelligence.
- **GPA:** 3.1

Projects

Neural Network – MNIST Dataset   github.com/eng-Shahd-Mostafa/Neural-Network

Implemented a customizable neural network using NumPy with manual backpropagation, softmax classification, and cross-entropy loss.
- Supported dynamic architecture configuration, activation function selection, mini-batch training, and early stopping.
- Achieved accurate handwritten digit classification and built an interactive visualization-based prediction system.

Skills

Languages

- Arabic (Native).
- English (Excellent).
- French (Good).

Technical Skills

- **Programming Languages:**
  Python, C++, Java.
- **Web Development:**
  HTML, CSS, JavaScript.
- **Databases:**
  SQL Server, My SQL.
- **Data Science:**
  Numpy, pandas, Matplotlib,
  Neural Network fundamentals.

Tools

- VS2022.
- VS2026.
- VS Code.
- Pycharm.
- Intellij.
- Microsoft SQL Server.

Courses

Data Science Track – Digital Egypt Pioneers Initiative (DEPI)   Nov 2025 – Jul 2026

- Completed intensive training in **Python**, **web scraping**, and **database management (SQL)**.
- Gained hands-on experience in **machine learning and deep learning**, with a strong focus on supervised learning techniques.
- Worked on **practical, project-based applications**, covering data collection, preprocessing, model building, and evaluation to solve real-world problems.

Extracurricular Activities

Data Science Track (DSC)   Jul 2025 – Sep2025

- Completed intensive training in Data Science, Machine Learning, and Deep Learning fundamentals.
- Worked on practical concepts related to data preprocessing and model evaluation.
- Earned a certificate upon successful completion of the program.

Team Projects & Assignments   Sep 2023 – Present

- Collaborated effectively on academic projects using Git.
- Practiced teamwork, task distribution, and code reviews.