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. I have hands-on experience in training and evaluating supervised learning models using Python and ML core. I enjoy solving AI-related problems and applying analytical thinking to build intelligent solutions. I have experience developing using Python, C++, and Java. I am actively seeking an internship or entry-level role in Data Science, AI, or Software Development to apply my skills.

Education

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

Experience

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

- Completed intensive training in Python, web scraping, and SQL.
- Gained hands-on experience in ML and DL, with a strong focus on supervised learning.
- Worked on practical, project-based applications, covering data collection, preprocessing, model building, and evaluation to solve real-world problems.

Projects

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

- Developed a custom neural network for image classification using Python.
- Implemented data preprocessing, model training, validation, and testing.
- Enabled flexible architecture and activation function selection.
- Performed model evaluation and prediction on unseen samples.

Courses

Data Science Track (DSC)   Jul 2025 – Sep2025

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

Skills

Languages: Arabic (Native), English (Excellent), French (Good).
Tools: VS2022, VS2026, VS Code, Pycharm, Intellij, MS SQL Server, Jupyter, Google Colab, Kaggle.
Programming Languages: Python, C++, Java.
Web Development: HTML, CSS, JavaScript.
AI & Data Science: Machine Learning, Deep Learning, Computer Vision.
AI Libraries & Frameworks: TensorFlow, PyTorch, Scikit-learn, Keras.
Databases: MS SQL Server, MySQL, SQLite.

Certificates

AI Workshop (DSC) – Certificate of Achievement AI Workshop

- Studied Machine Learning and Deep Learning concepts
- Built and evaluated practical projects using Kaggle datasets
- Applied data preprocessing and model training techniques

Extracurricular Activities

Instant Orange Hackathon (4-day Hackathon) 2026

- Worked on Brain Tumor Segmentation using medical imaging datasets
- Applied image preprocessing and segmentation techniques
- Contributed to model training and evaluation

Team Projects & Assignments Sep 2023 – Present

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