Mina Nasser Shehata

AI Engineer

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Objective

Motivated and detail-oriented Computer and Systems Engineer with hands-on experience in machine learning, deep learning, NLP, computer vision, and generative AI. I've worked on a range of projects from simple ML models to intelligent agents and full-stack AI systems. Comfortable with the full AI development pipeline, from data preprocessing and model training to deployment and integration, and I bring a strong software engineering mindset to every project.

Education

- **Faculty of Engineering – Ain Shams University, Cairo, Egypt**
  Department: Computer and Systems Engineering
  GPA: 3.24 | **Start**: September 2021 | **Expected Graduation**: June 2026

Training / Certifications

- **Digital Egypt Pioneers Initiative DEPI.**
  Track: Generative AI   **Date**: June - December 2025
  Preprocessing – ML – DL – CNN – NLP – LLM – Generative – Deployment

- **Sprints ML Training.**   **[Certificate]**   **Date**: July 2025
  Python - Visualization – Regression – Classification – Clustering – Dimensionality Reduction

- **ML Course Udemy.**   **[Certificate]**   **Date**: December 2024
  Supervised & Unsupervised Learning – Reinforcement – Anomaly Detection – Neural Networks

- **Neurotech Platform.**
  Rag   NLP   CV   Streamlit   Flask

Skills

- **Technical**
  - **Language**: Python – C/C++ – Java – SQL – Mongo DB - Bash – Verilog
  - **Frameworks**: Pytorch – Tensorflow – Scikitlearn - Django – Flask – Fast Api – Streamlit
  - **Tools**: Git/GitHub – Docker – virtualization – Hadoop fs – Spark
  - **Other:** Linux (good), Dart/Flutter (familiar), Tkinter/Qt (familiar)
- **Languages**
  Arabic: Native   **English**: Fluent   **German**: Beginner
- **Soft skills**
  Time-management   Leadership   Problem-Solving   Adaptability   Cooperation

Projects

-Image Captioning - {GitHub}   **Stack**: EffNetB7-CNN – LSTM - Soft Attention -
    Idea: use pretrained CNN and LSTM blocks to caption images

-Employee Attrition - {GitHub}   **Stack**: GridSearch – Clustering – ML – Boosting - Preprocessing
    Idea: using all ml models on IBM HR dataset to predict employee's attrition status

-Heart Diseases - {GitHub}   **Stack**: ML – Streamlit – Classification – Kmeans
    Idea: a simple UI and Inferred ML pkl Model to predict probability of heart disease existence

-Data PreProcesssor - {GitHub}   **Stack**: python – scalers – Piplines – Oversampling - GUI
    Idea: a simple Gui for fast preparation of dataset for clearer notebooks

-FlipFlow - **{GitHub}**   **Stack**: python - Django – Rest-Api – JavaScript - Threading
    Idea: Marketplace – inventory management – distributed system

-XML VISUALIZER- {GitHub}   **Stack**: CPP – Data structures & Algorithms – CLI&GUI
    Idea: xml editor – converter – consistency check

-EDUFLEXA - {GitHub}   **Stack**: Java – JavaFX – OOP – Exception-Handling
    Idea: Courses System

-ARM M4 +GPS - {GitHub}   **Stack**: embedded c - assembly

-MIPS Processor (Verilog)   **8255 PPI (Verilog)**

Extra activities / Interests

- ASU_CPC 2024
- IEEE 2024 - 2025

• Scout "Team Leader" 2021-present
• GDSC 2022

Internships

Network Security Intern @ Mercedes MCV (July 2023 – September 2023) [Certificate]

- Firewalls administration and Investigation "FORTIGATE"
- Project: Implementing and Integrating "SPLUNK" SIEM solution server with Existing Firewalls and EDR and physical Security Appliances.
- Exploring EDR features "ESET" and Automated Vulnerability Assessment
- Reviewing ISO-27001 implementation in organization

Electrical Engineering Intern Orascom Constructions (June 2023) [Certificate]

- Exploring implementation of various Network and low current Hardware systems
- Acquiring excellent communication skills