Mariam Osama

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📍 EL-Sharkia-Zagazig (easy reallocate)

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Profile

AI Developer with a strong focus on Generative AI and Computer Vision, interested in building intelligent systems that combine deep learning, image processing, and content generation. Skilled in developing and deploying end-to-end AI solutions using Python, TensorFlow, and OpenCV.

Education

10/2024 – 06/2025	**9-Month Diploma (ITI) Information Technology Institute ,(MCIT) Ministry Of Communications And Information Technology , Artificial intelligence and machine learning,Mansoura Branch**
2020 – 2024	**Computer Scince department in Computer and Informatics Zagazig University (ranked 4th,GPA(3.74))**

Internship

2022	**Summer internship in Embedded Systems (ITI) Information Technology Institute , (MCIT)Ministry of communications and Information Technology**

Skills

Natural language processing

Machine learning
Supervised, Unsupervised_ML

Time series

Mathematics
Statistics, Linear Algebra, calculus, Numerical Optimization

Data Analysis and Angineering

Microcontroller
AVR, Arduino

Deep learning
Opject detection, Segmentation

Computer Vision
Open CV

Python libraries
Tenserflow,pandas,Plotly,Matplotlib,Sklearn

Systerm recommendation

SQL and NoSQL

Projects

-Drowsiness Detection (for drivers) ⧉
Using AL models to detect drowsiness focus on eyes closed,opend and yawn,no-yawn connecting with Flutter App to use Mopile Camira and using Arduino to alert the drivers using multi levels

-Documents classification ⧉
Using Unsupervised_ML to classify People Wikipedia Dataset and 20 Newsgroups Dataset

-Multi Class Prediction of Obesity Risk ⧉
classify individuals into one of several obesity risk categories using supervised machine

-Smart home
Designed and implemented a smart home system using proteus.

Activities

2024   **IEEE member in Banha studen branch**
Arduino commit

Personal skills

-Team work skills

-Presentation skills

-Proplem Solving

-Communication skills

Languages

-English	**German**	**Turkish**
B2	A1	A2