Seif Yasser Ahmed

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SUMMARY

Senior-1 Computer Engineering and Software Systems Student at Ain-Shams University, enrolled at University of East London for a Dual Degree program

EDUCATION

2021 - present   Bachelor's Degree (CESS) at **Faculty of Engineering Ain-Shams University**

2021 - present   Dual Degree at **University of East London**

WORK EXPERIENCE

Generative Ai Intern   May 2024 - present

DEPI
- Learn the skills required to use generative AI in my professional life.
- Discover the fundamental ideas behind generative AI and artificial intelligence.
- Gain knowledge about generative AI models. Discover the moral implications of employing generative AI.

ML Intern   Feb 2024 - Mar 2024

Cellula Technologies
- Learned and Used Machine Learning Techniques and Algorithms.
- Gained valuable skills in the Deployment of Machine Learning Models.

Ai Trainee   Aug 2023 - Aug 2023

Telecom Egypt
- Implemented a machine learning model to recognize handwritten digits from the MNIST dataset.
- Developed and executed a Python script that loads a pre-trained Mask R-CNN model to segment objects in a video.
- Enhanced the segmentation model to specifically detect and count cars in a video

Technology Intern   Aug 2022 - Sep 2022

Orange Egypt
- Learned about data backup solutions.
- Explored the network's architecture at Orange Egypt.

PROJECTS

Image Generation Using GANs   Demo
- Understood different GANs architecture as GANs, DCGANs & WGANs.
- Augmented some of the dataset by making some flips or rotations in the images to generate different variety of images.
- Worked on the generation of boot-sandal-shoes images using the conditional version of each GAN architecture.
- Made Comparative Analysis on the different architectures used & comparing them in terms of FID & the quality of images generated.

Taxi Fare Prediction   Demo
- Deployed a Machine Learning Model that predicts the taxi fare in california.

BrandsGeeks   Demo
- A Full-Stack website for an e-commerce system that sales local brands' products Using Bootstrap, Django.

CrossFit App   Demo
- CrossFit application using PyQt5 and Microsoft SQL Server for the database.

Object Segmentation & Car Counter   Demo
- Developed and executed a Python script that loads a pre-trained Mask R-CNN model to segment objects in a video. The script processes each frame, detects objects, and highlights them with bounding boxes.
- Enhanced the segmentation model to specifically detect and count cars in a video. The script segments video frames, identifies cars, and maintains a count displayed on the video.

C Language Compiler   Demo
- Built Scanner and Parser for C Programming Language.

TECHNICAL SKILLS

Some Skills	Python, C++, Java, HTML, CSS, Bootstrap, Django, Flask, Streamlit, PyQt, raylib, JUnit
Data Science	NumPy, matplotlib, Pandas, SQL, Pytorch, scikit-learn, ANN, CNN, GANs, DCGANs