[Amin Mohamed]

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Education

- [Faculty of Computer and Information Sciences Ain Shams University]
- [GPA: 2.915] | [Date of Graduation: 2023]
- [Major: Artificial intelligence]

Projects

- **Super Resolution and Face Recognition for Surveillance Camera Systems [Graduation Project]** a project aimed to boost the face detection and recognition capabilities of surveillance camera systems by introducing deep-learning based super resolution techniques.
- **Multi-cancer Identification and Segmentation:** a deep learning-based project aimed at detecting and segmenting multiple types of cancers in medical imaging data. **[Scored 2nd place]**
- **Weather Analysis:** a deep learning-based project aimed to detect the state of the weather given a picture of it. **[Scored 8th place]**
- **Rent It:** a Machine Learning-based project aimed to predict the rented bikes per hour given weather conditions and other features. **[Scored 4th place]**
- **Segment It:** a Machine Learning-based project aimed to segment customers into different segments based on their characteristics. **[Scored 6th place]**
- **RSA Public-Key Cryptosystem:** Design of efficient algorithms that could be used in encrypting large amount of data.
- **Vaccination Tracking System:** Applied OOP principles to allow users to enter their personal and vaccination information and apply for the vaccine if eligible.
- **Car Sales System:** Applied OOP Principles to computerize the conventional car sales procedure.
- **Parallel High Pass Filter :** Applied Parallel Programming concepts using MPI to parallelize the process of image sharpening.

Skills

Computer Skills:

- Good theoretical and practical knowledge of **Deep Learning** and **Machine Learning** concepts and techniques.
- Good knowledge of ML & DL frameworks such as **TensorFlow, PyTorch, OpenCV** and **Scikit-Learn.**
- Good Knowledge of Algorithms and Data Structures fundamental concepts and practical applications.

Programming Languages:

- Python
- C/C++
- Java
- C#
- SQL

Courses:

- Generative Adversarial Networks Specialization [Deeplearning.ai]
- Natural Language Processing Specialization [Deeplearning.ai] [Ongoing]