Rokaya Mahmoud Eltehewy

+201027650571

rokaya@aast.edu

linkedin.com/in/RokayaEltehewy

Education

M.Sc. in Computer Engineering

- Computer Engineering Department - Arab Academy for Science and Technology   October 2020 – October 2023

B.Sc. in Computer Engineering

- Computer Engineering Department - Arab Academy for Science and Technology
  GPA: 3.79 - Excellent with Honors   October 2018 – July 2020

Computer and Communications Engineering student

- Studied at Faculty of Engineering- Alexandria University- Computer department   October 2015 – October 2018

Secondary Education

- IGCSE Certificate- Arab Academy for Science and Technology-Alexandria   June 2012 - June 2015

Work Experience

College of Engineering – Computer Department - Arab Academy for Science and Technology - Sheraton

Teaching Assistant   October 2022 – Current

-Teaching & Curriculum preparation for the following courses: Introduction to Data Science, Neural Networks, Database Systems, Discrete Mathematics and Fundamentals of Programming.

-Working on different research projects.

College of Artificial Intelligence – Arab Academy for Science and Technology

Teaching Assistant   October 2020 – October 2022

-Teaching & Curriculum preparation: Machine Learning, Data Science, Deep Learning, Image Processing, Computational Linguistics, Fundamentals of Artificial Intelligence.

-Supervising training programs and professional competitions.

-Participating in research projects and proposals.

Vodafone UK

International call center advisor   December 2016 – July 2017

Sumed petroleum pipelines

Summer internship- IT department   July 2017

Selected Project

Masters Project – Efficient Classification of imbalanced data using generative data augmentation

- Trained a conditional generative model for disaster data augmentation.
- Trained Inceptionv3 and VGG19 classifiers for the task of disaster classification.
- Designed a complete framework for disaster data augmentation and classification using generative adversarial models followed by an ensemble convolutional classifier.

Graduation Project – The use of machine learning for age-invariant face recognition

- Trained, fine-tuned and tested state of the art face recognition architectures.
- Experimented with GAN networks.
- Implemented k-means, support vector machine and Gaussian mixture models.

Skills & Languages

Programming Skills: Programming experience using Python, R, C.
Software Skills: Experience with deep learning frameworks (Tensorflow, Keras, Pytorch), Data Visualization, Predictive Modeling.
Languages: English (Fluent) – German (B2 Certification)

Volunteer Work

Active Member- Social charity club
- Alpha Leo club of Alexandria   May 2015 – May 2018

Club Member- Alexandria University
- Alexandria University English Club   September 2016 - September 2017