# KARIM AYMAN

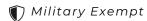
(c) +20 106 292 7627

in Linkedin<sup>©</sup>

karimm.16199@gmail.com



🙎 Cairo, Egypt



# PROFESSIONAL SUMMARY

Fresh Al graduate with a major in Artificial Intelligence and among top ranking Al students in the faculty. Have worked on several complex Machine Learning projects including training with deep neural networks and implementing Reinforcement Learning algorithms. Looking to enhance my Al skills and participate in innovative projects through an entry level Machine Learning Engineer role.

Arabic: Native English: Fluent Languages:

## CORE SKILLS

Python

NLP

**Data Science** 

Problem Solving

PyTorch/Tensorflow

Computer Vision

Teamwork

Transformer Models

Deep Learning

Google Cloud Platform

Critical Thinking

## **EDUCATION**

The British University in Egypt - London South Bank University BSc. in Informatics & Computer Science (Al Major) | Dual Degree Overall classification: Very Good

2024

# **GRADUATION PROJECT**

• Multi-Agent Reinforcement Learning for Cooperative Control in Wildfires | Graduation Project  $^{\otimes}$ 

• Created a complex highly stochastic 2D wildfire environment from scratch using Python.

10/2023 - 06/2024

Simulated learning of heterogeneous agents using attention-based centralized critic MADDPG.

## AI PROJECTS

Game Performance Analyzer using CV Temporal Video Action Localization | Personal Project

06/2024 - Present

Poem Generation by fine-tuning GPT-2 | Coursework Project

04/2024 - 05/2024

Facial Emotion Recognition with Deep Learning using Vision Transformer | Coursework Project  $^{^{\circ}}$ Data Classification and Regression with Machine Learning techniques | Coursework Project

04/2024

10/2023 - 12/2023

Q-Learning algorithm implementation for autonomous 2D agent | Coursework Project

11/2023 - 12/2023

Job Site Scraping & Deriving Data Insights | Coursework Project ∅

02/2023 - 05/2023

#### EXTRACURRICULAR ACTIVITIES & CS COURSEWORK PROJECTS

· Visit to Telecom Egypt Data Centers in Smart Village | Extracurricular Activity for top students

03/2024

Bus Transportation Database System Design & Implementation with Oracle | Coursework Project

10/2023 - 12/2023

Bunker: A 2D game level with Unity | Coursework Project

10/2022 - 12/2022

• A 2in1 (Analog & Digital) Clock Circuit Design, Build & Programming with Arduino | Coursework Project  $^{\&phi}$  03/2022 - 05/2022

#### **TRAINING & COURSES**

- Cloud Computing | Telecom Egypt <sup>®</sup>
  - Earned Top spot for GCP Project.
- Ethical Hacking Bootcamp | ZTM, Udemy ∅
- Ethical Hacking | Telecom Egypt
- Artificial Intelligence | Telecom Egypt