






# KARIM AYMAN


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 Cairo, Egypt

 LinkedIn

 Github

 Military Exempt

## PROFESSIONAL SUMMARY

Fresh AI graduate with a major in Artificial Intelligence and among top ranking AI 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 AI skills and participate in innovative projects through an entry level Machine Learning Engineer role.

- Languages: Arabic: Native English: Fluent

## CORE SKILLS

- Python
- PyTorch/Tensorflow
- Transformer Models
- NLP
- Computer Vision
- Deep Learning
- Data Science
- C++
- Google Cloud Platform
- Problem Solving
- Teamwork
- Critical Thinking

## EDUCATION

The British University in Egypt - London South Bank University

BSc. in Informatics & Computer Science (AI Major) | Dual Degree

Overall classification: Very Good

2024

## GRADUATION PROJECT

- Multi-Agent Reinforcement Learning for Cooperative Control in Wildfires | Graduation Project
  - Created a complex highly stochastic 2D wildfire environment from scratch using Python.
  - Simulated learning of heterogeneous agents using attention-based centralized critic MADDPG.

## AI PROJECTS

- Game Performance Analyzer using CV Temporal Video Action Localization | Personal Project
- Poem Generation by fine-tuning GPT-2 | Coursework Project
- Facial Emotion Recognition with Deep Learning using Vision Transformer | Coursework Project
- Data Classification and Regression with Machine Learning techniques | Coursework Project
- Q-Learning algorithm implementation for autonomous 2D agent | Coursework Project
- Job Site Scraping & Deriving Data Insights | Coursework Project

## EXTRACURRICULAR ACTIVITIES & CS COURSEWORK PROJECTS

- Visit to Telecom Egypt Data Centers in Smart Village | Extracurricular Activity for top students
- Bus Transportation Database System Design & Implementation with Oracle | Coursework Project
- Bunker: A 2D game level with Unity | Coursework Project
- A 2in1 (Analog & Digital) Clock Circuit Design, Build & Programming with Arduino | Coursework Project

## TRAINING & COURSES

- Cloud Computing | Telecom Egypt
- Ethical Hacking | Telecom Egypt
- Ethical Hacking Bootcamp | ZTM, Udemy
- Artificial Intelligence | Telecom Egypt