

Ahmed Mamdouh Farh

Machine Learning Engineer

☎ +20 111 013 0904 ✉ ahmedmamdouhfarh@gmail.com 📍 Cairo, Egypt 🛂 Military Service : Exemption 🌐 Ahmed Mamdouh
🔗 Ahmed-Mamdouh96 📄 ahmeddmamdouhhh96

EDUCATION

Post Graduate Diploma

Information Technology Institute (ITI) 🔗

Apr 2021 – Jan 2022

- 9 Month Diploma in Machine Learning and Artificial Intelligence.
- In association with EPITA - School of Engineering and Computer Science - France.

Bachelor of Mechatronics and Automation Engineering.

Ain Shams University

Sep 2015 – Jun 2020

- Graduation Project - Autonomous Agriculture Mobile Robot - Grade A+
- GPA 3.49 (Excellent)

PROJECTS

Distracted Anomaly Driver

Two approaches to detect anomaly driver

Oct 2021 – Jan 2022

- **Supervised Contrastive Learning**
 - Differentiate between if driver is driving normal or not.
 - Implemented contrastive loss from scratch.
- **Image Classification**
 - Classify driver behaviour from 10 classes used pretrained models with adjusted top layer.

Wuzzuf Dataset with Java 🔗

Exploratory data analysis

May 2021 – Jun 2021

- Clean data and Get insights of dataset with Smile Data Frame using OOP
- Got most popular job titles , Companies , Area with charts

Autonomous Agriculture Mobile Robot

Graduation Project

Oct 2019 – Jun 2020

- Object Identification
- Instance Segmentation
- Provided technical management of project and production processes.

Cargo Mobile Robot

- Generated Matlab Simulink simulation for accurate motor sizing.
- Mechanical CAD design and Assembly

Feb 2019 – Jun 2019

3D Printer

- Developed full functional 3D Printer

Oct 2018 – Jan 2019

TECHNICAL SKILLS

Programming Languages

Python - Java - MATLAB

Python Tool

PySpark

Database

SQL - NoSQL

Deep Learning Framework

Tensor Flow

Machine Learning Tool

Scikit-Learn

Data Mining

Orange

Data Visualization

Plotly

LINUX

CERTIFICATES

Machine Learning - Specialty 🔗

AWS

Machine Learning Foundations 🔗

AWS Academy

COURSES

Data Scientist with Python Track 🔗

DataCamp

Deep Learning with TensorFlow 2 🔗

365 Data Science

Statistics Fundamentals with Python Track 🔗

DataCamp

Introduction to Deep Learning 🔗

MaharaTech

Database Fundamentals 🔗

MaharaTech

Python Fundamentals Track 🔗

DataCamp

Neural Networks and Deep Learning 🔗

Coursera

Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization 🔗

Coursera

Structuring Machine Learning Projects 🔗

Coursera

EXTRACURRICULAR ACTIVITIES

BASMA Volunteer	Oct 2019 – May 2020
<ul style="list-style-type: none">• Taught the non-capable children to learn in schools	
TEDx Ain Shams University Public Relation	Nov 2017 – May 2018
<ul style="list-style-type: none">• Responsible for the official representation of TEDx Ain Shams University• Organized partnerships with Fundraising department.	

LANGUAGES

Arabic Mother Tongue	English Above intermediate
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