

# Muhammed Magdy Mansour

in Mu-Magdy  Mu-Magdy  muhammedmagdy1015@gmail.com  01019551690  Egypt

## SUMMARY

A highly motivated and experienced Machine Learning Engineer with a Bachelor's Degree in Computer Science and a strong background in Deep Learning, Machine Learning, and Data Analysis. Experienced in developing and implementing machine learning algorithms, creating and managing large datasets, and working collaboratively in interdisciplinary teams. Excited about leveraging machine learning to create innovative solutions to complex problems.

## EDUCATION

### Bachelor's Degree in Computer Science


Faculty of Computers and Information Kafr El Shiekh University

09/2018 – 07/2022

## COURSES

### AWS Machine Learning Engineer Nanodegree

Udacity

This is a comprehensive program designed to equip students with the skills and knowledge required to build, deploy, and maintain machine learning models using AWS. The program covers essential topics such as data engineering, model training, and deployment, as well as hyperparameter tuning and model monitoring. Projects: AWS Machine Learning Nanodegree 

### Advanced Data Analysis Nanodegree

Udacity

This is a program that teaches students how to analyze data using various tools and techniques. The course covers topics such as statistics, data visualization, machine learning, and deep learning. Students will also learn how to use popular programming languages such as Python and SQL to manipulate and analyze data.

### Business Intelligence Specialization

ITI

This is a product-based program that will empower you to learn Microsoft Business Intelligence Methodologies and Techniques for Creating Advanced Dashboards based on Data Analytics by using Microsoft Analytical and Presentation Tools.

### Deep Learning Specialization

Coursera

### Machine Learning Specialization

Coursera

## COMPETITIONS

### Collegiate Programming Contest (ACM)

Participated at Kafr Elshiekh university ACM competition in **2020, 2021, 2022**

### HackTrick: Dell Technologies Hackathon

Qualified to Dell's hackathon to solve machine learning problem against 30 teams.

## PROFESSIONAL EXPERIENCE

### Machine Learning Engineer

Omdena 

05/2021 – 07/2021

Worked on a project that aims to make an Arabic NLTK, to support researchers in the Arabic NLP field

- Collected and labeled 2000+ lines of the dataset that will be utilized for the project with accuracy above 90%.
- Performed an EDA to demonstrate the dataset to other teams.

used: Python, Pandas, Numpy, Matplotlib, SciKit-Learn

## PROJECTS

### Arabic Sign Language Translator (Graduation Project)

We wanted to build a sign language translator to help Arab deaf people.

- Created a dataset of a large number of videos to use in the model (2250 videos, a 10+ Gb dataset)
- Visualized the data to get insights
- Coded a deep learning model to best fit our dataset and get the most accuracy in our case was the transformers model.

Challenges: Low-quality data, because of it we got a 72% accuracy on a 50 classes dataset.

Using Keras, OpenCV, TensorFlow, Python, mediapipe, and git.

### Data Science projects

- Coded 40+ Data Science projects including (Computer Vision, machine learning, Data Analytics, and Deep learning projects) to sharpen my knowledge

using OpenCV, TensorFlow, Python, Numpy, Pandas, and Keras;

## SKILLS

**Deep Learning** (Tensorflow, Keras, PyTorch),  
**Machine learning** (Scikit learn),  
**Data Analyses** (PowerBI, Tableau),  
**Python** (Pandas, Numpy, Matplotlib, Django),  
**Mathematics** (Calculus, Statistics, Linear Algebra),  
**SQL Database, Git, C++**,  
**Data structures, Algorithms, Data Entry**,  
**Microsoft Excel** (Pivot Table - Business Functions - Reports - Graphs)

## LANGUAGES

English  
C1

● ● ● ● ●

Arabic  
Native

● ● ● ● ●