

# Mahmoud Saad

## Machine Learning Operations Engineer

I'm MLOps with 7 years experience; 4 in Data and software ,and another 3 years in business operations. I want to create a better world for us, and future generations by the means of technology, and innovation.

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## EDUCATION

### Bachelor of Mechanical Engineering Helwan University

07/2019

## WORK EXPERIENCE

### Machine Learning Operations Engineer Tahaluf Al Emarat Technical Solutions

02/2023 - Present

#### Achievements

- Continuous training pipeline.
- Benchmark RT Surveillance system.
- Deployment.
- Model upload pipeline.

### Data Scientist Dell Technologies

11/2021 - 02/2023

#### Achievements

- Own a model that generates \$ 75M in annual revenue.
- Accuracy 61% -> 95% by feature engineering.
- Build a pipeline for preprocessing, and inference. Shaving off 90% of the time required for inference.
- Expirement, version control, and package models using MLflow.

### Data Analyst Careem (Uber subsidiary)

10/2020 - 11/2021

#### Achievements

- Tweets sentiment analysis (NLTK/Hugging face/Google)

### Data Analyst Sykes

03/2020 - 10/2020

#### Achievements

- Develop and revamp reports for 20 stakeholders.

### Software Engineer Sprints

10/2019 - 03/2020

### Examinations Assistant Supervisor British Council

04/2017 - 10/2019

## SKILLS

Airflow

DVC

MinIO

triton

API Gateway

FastAPI

Docker

Kubernetes

ML serving

mlflow

Scikit-learn

TensorFlow

Keras

NLTK

Hugging face

ML

NLP

Pandas

Numpy

SQL

Communication

Leadership

## PROJECTS

BERT based spam classification model [🔗](#)

Containerized computer vision model with FastAPI [🔗](#)

- Face detection

ML model to predict Dell customers' compliance

Enhance customer experience with proactive Care

- Insights into ticket severity pushed to operations for action

Measure vendor performance

- Breaking through a 3 years standing challenge of productivity

## CERTIFICATES

CS224n: Natural Language Processing with Deep Learning

Machine Learning Engineering for Production (MLOps) Specialization [🔗](#)

DeepLearning.AI TensorFlow Developer Specialization [🔗](#)

Deep learning Specialization [🔗](#)

Machine Learning Specialization [🔗](#)

AWS Cloud Technical Essentials [🔗](#)

Supply Chain Management Specialization [🔗](#)

## VOLUNTEERING

Embedded software engineer (Open source project)  
(06/2019 - 06/2020) [🔗](#)

Autosarx - building AUTOSAR stack

Enactus Helwan University

Project management

IDT-Egypt

Marketer