




# Mohamed Sebaie


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 Military Status: Exempted

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## SUMMARY

A passionate and self-driven Machine learning Engineer with hands-on experience in machine learning and deep learning contributed to various projects in the fields of Computer Vision, NLP, and Data Science and aiming to pursue a career in this field and push my skills even further by joining a reputable and dynamic corporation to build a career, grow with, take on new challenges and working in a professional team.

## CAREER

### COMPUTER VISION INTERN

DEC/2021 - FEB/2022



TechnoCoLabs India

### MACHINE LEARNING INTERN

NOV/2021 - JAN/2022



Orange Innovation Egypt

### OPERATION MANAGER (PART-TIME)

APRIL/2021 - PRESENT



### BUSINESS DEVELOPMENT ENGINEER

JULY/2019 - APRIL/2021

PIONEER Petroleum Services

## EDUCATION

### Post Graduate: The Artificial Intelligence Professional (AI-Pro) Program



INFORMATION TECHNOLOGY INSTITUTE (ITI)

APRIL/2021 - JANUARY/2022

- It is a 9-month post-graduate professional training program in Machine Learning and Artificial Intelligence. The program is developed in partnership with the French Graduate School of Computer Science and Advanced Technologies (EPITA).

### Master of Science : Petroleum Engineering



CAIRO UNIVERSITY

MARCH/2018 - PRESENT

- I passed the Pre-Master Year with GPA 3.3 (Max 4.0).

### Bachelor of Science : Production Engineering And Petroleum Exploration



SUEZ UNIVERSITY

OCTOBER/2012 - JULY/2017

- Graduated with a 3.26 (Max 4.00) GPA and A+ in Graduation Project. Graduated in the Top 10% of Class.
- Member of SPE Student Chapter and awarded Outstanding Performance at Fundraising Committee.

### High School Certificate (Science) : Mathematics



NOOR EL-SALAM PRIVATE SCHOOL

OCTOBER/2010 - JULY/2012

- Graduated with a 99.65% Grade and was Ranked 2nd in my class.
- Awarded The Ideal Student by The Minister of Education.

## KAGGLE COMPETITIONS

### Arabic Handwritten Characters Recognition

OCTOBER/2021

Deep Learning Task To Recognize the Arabic Handwritten Characters by CNN.

### Dry Beans Classification

SEPTEMBER/2021

Classification Task To predict the type of a dry bean from its shape features by simple ANN.

### Seoul Bike Rental Prediction

AUGUST/2021

Regression task to predict the bike count rented during each hour based on Weather Data

### Car Crashes' Severity Prediction

JULY/2021

Classification task to predict the severity of a car crash based on the environment of the car crash

## COURSES

- **AWS Certified** Machine Learning Specialty. [Badge Link](#)
- Cloud Foundations and Machine Learning Foundations on **AWS Academy**.
- Deep Learning Specialization and Machine Learning Course by Andrew Ng on **Coursera**.
- Data Analysis Professional, Advanced Nanodegree Programs, and Data Analysis Course on **Udacity**.
- Data Scientist, Statistics Fundamentals, and Python Tracks with 6 Projects on **DataCamp**.
- 30 Days of Machine Learning on **Kaggle**.
- Database Fundamentals, Java Development SE, and Introduction to Deep Learning on **MaharaTech**.
- Data Science, Machine Learning, and Deep Learning BootCamp with **Epsilon AI Institute**.
- Python for Everybody Specialization on **Coursera**.
- Now, I am preparing for the IELTS test and FE exam.

## PROJECTS

- **Mobile App Case Study on Tableau** [Link](#)
- **Distracted Drivers Detection** which focuses on driver distraction activities detection via images, is useful for vehicle accident precaution and deployed on Heurko and Docker then on Android APP. [Repo Link](#)
- **Car Crashes Detection** From Surveillance Cameras which achieved by using 2 approaches VIF and 3D Convolution to detect accident or not. [Repo Link](#)
- **DeepFake Detection** to predict real and fake videos using Pytorch. [Repo Link](#)
- **Fight Detection** from Surveillance Cameras which we achieved to solve by using transfer learning on pre-trained convolutional 3D models that aim to recognize the motions and actions of humans. [Repo Link](#)
- ✓ **For Below, Projects check the Github Repositories Link:** [Github Link](#)
- NLP to Translate Data Science Content into Arabic.
- Sentiment Analysis Web App Using PyTorch and AWS SageMaker.
- Deep Learning Projects like Mask Detector and Solar Radiation Prediction.
- Deploy Many Projects by **Flask and Streamlit on Heroku** (Cloud Application Platform).
- DataAnalysis for Wuzzuf DataSet by **Java, SpringBoot, WebServices, and TestClient**.
- Industry MultiClass Classification Task using **NLP** and Deployment with Flask on Heroku Platform.
- **Scrape websites** like (Fluidex\_Spain, Weather, Books, Exchange Rates, and Hostinger Webmail).
- ML Projects with Data from **Kaggle** like eCommerce Purchase, Corona Prediction, Loan Approval Prediction, Black Friday Purchase Prediction, Rainfall Prediction in Australia, Solar Radiation Prediction.
- Explore US Bikeshare Data, Wrangle and Analyze Data (**WeRateDogs Tweeter Account**), and Investigate (**Medical Appointment No Shows**) Data on **UDACITY**.

## TECHNICAL SKILLS

- Programming Technologies: Python, Java SE, SQL, and NoSQL.
- Conceptual Knowledge: Data Science, Machine Learning, Computer Vision, NLP, OOP, Data Structure & Algorithms.
- **Tools:** Tableau, MYSQL, PostgreSQL, MongoDB, Cassandra, Redis, Neo4j, Orange, TalendStudio, Docker.
- DeepLearning and Its frameworks like PyTorch, TensorFlow. Keras and Caffé.
- Deployment of ML and DL Models by Flask and StreamLite(or Docker Image) on Heroku Platform, Azure, and AWS.
- Web Scraping by Beautiful Soup.
- Data Preprocessing through Feature Engineering and Extraction and Feature Transformations.
- Machine Learning and its libraries Scikit-Learn and Auto Sklearn.
- Eclipse, MBAL, PROSPER, SAPHIR, QROD, PIPESIM, MS Office, and Matlab.

## LANGUAGE

- Arabic (Native)
- English (Professional)
- French (Limited)

## INTEREST

- Boxing.
- Reading in New Technologies.
- Playing Chess, Bowling and Tennis Table and Watching Movies.

**RESOURCES [HERE](#)**