

# Mohamed Sayed

Data Scientist and Machine Learning Engineer

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## EXPERIENCE

### **MindValley, Programming Instructor**

July 2020 - PRESENT

Teaching kids and teens (aged 10-17 years) programming concepts

Teaching Python and c++ programming languages

building curriculums and doing researches on how to develop problem solving skills

### **Omdena France Chapter, Data Analyst Intern**

July 2021 - October 2021

measuring the impact of lockdown on France's pollution and mobility

worked on Data acquisition and exploratory data analysis

building dashboards using Streamlit and Tableau

### **Data Glacier, Data Scientist Intern**

July 2021 - October 2021

Machine learning Models selection and models building

solve Real world problems using Data science

## EDUCATION

### **Cairo University , Faculty Of Computers And AI— Artificial Intelligence Department**

September 2018 - July 2022

**Key Classes** Data Structures, Algorithms , Theoretical Machine learning , supervised learning , unsupervised learning , Generative adversarial Networks, NLP, Reinforcement Learning , Information Retrieval, Pattern Recognition

GPA 3.1

### **Graduation Project , Forex Trading Bot**

A trading system based on deep learning and Data science

Tools:

- Pandas and Numpy For data Processing and cleansing
- LSTM for predicting Future Trend
- Deep Q-Network to Choose the action
- Flask and VPS for deployment
- Streamlit for Dashboarding

Grade: A+

## PROGRAMMING SKILLS

Python , C++ , Java , Problem Solving Algorithms , OOP , Data Structures , Agile

## DATA SCIENCE SKILLS

Machine Learning , Deep Learning , Reinforcement Learning , Data visualization , Data analysis , NLP , SQL , Pattern Recognition , Dashboarding

## LANGUAGES

Arabic Native , English Fluent

## PROJECTS

**Arabic words Entity classification**  
using LSTM model and Word2Vec

**AI-Based tic-tac-toe Game** Using  
Minimax algorithm and pygame for GUI

**Atari Bing-Pong** AI to play Atari Pong,  
with reinforcement learning

**Classification of Drug Persistence**  
analyze medical data and build  
model to classify drug persistency

**MNIST classifier using GUI** Detect the  
number drawn on a screen using  
Pygame and Support vector machine

## COURSES

**Introduction to Artificial Intelligence  
From CS50**

**Data Foundations From Google**

**Machine Learning course from  
Stanford University**

**Agile and scrum development from  
IBM**

**Introduction to git and github from  
google**