Mohamed Ali Farag

Machine Learning Engineer

Contact

Personal

- 🏠 Cairo,Egypt
- 📞 +20 103 020 3171
- ✉ mohamedalifarag.ml@gmail.com

Social

- ⌘ https://github.com/mohamedalifara gitiai
- 🏆 https://www.kaggle.com/moham edalifaragitiai
- in https://eg.linkedin.com/in/mohame d-ali-b37953123
- 🌐 https://leetcode.com/ma3162/

Extracurricular Activities

- ⚡ **Volunteer at GDG-Fayoum**
- ⚡ **Volunteer at IEEE-FSB**
- ⚡ **Volunteer at Life Makers**

Languages

- ✔ **Arabic**
- ✔ **English**

Soft Skills

- ✔ **Problem Solving**
- ✔ **Teamwork**
- ✔ **Leadership**

Libraries and Frameworks

- ✔ **TensorFlow**
- ✔ **PyTorch**
- ✔ **OpenCV**
- ✔ **Research**
- ✔ **Sklearn, NumPy**
- ✔ **Pandas,**
- ✔ **LangChain**
- ✔ **MLFlow**

Objective

Machine Learning Engineer who aims to work in a fast-paced work environment. Has strong knowledge of machine learning, data science, and software engineering.

Experience

2023 - Present   **IbnSina Pharma**
Machine Learning Engineer, Egypt
Build advanced models for Sales Forecasting, predictive models, get insights to optimize marketing and decision-making.

2021 - 2023   **MDS**
Machine Learning Engineer, Saudi Arabia
Build and develop artificial intelligence (AI) systems that use large data sets to research, develop, and generate algorithms that can learn and make predictions.

2022 - 2023   **AMIT**
Machine Learning Lecturer,
Teaching ML, DL, Computer Vision, and NLP to students. Then deploying it in production.

2019 - 2020   **Software Engineer**
Linked Gates,
Building software systems using the Odoo framework.

Education

2021 - 2024   **Master of Computing and Artificial Intelligence**
Fayoum University , Egypt

2020 - 2021   **Diploma of AI and Data Science**
Information Technology Institute(ITI), Cairo

2015 - 2019   **Bachelor of Computing and Artificial Intelligence**
Fayoum University, Egypt

Certificates and Courses

- Data Scientist Track at Data Camp
•Cloud Infrastructure at DELL EMC
- AWS Machine Learning
- Cloud Practitioner
- Deep Learning and Machine Learning
Coursera

Technical Skills

- ✔ **LLMs**
- ✔ **Data Analysis**
- ✔ **Machine Learning**
- ✔ **Deep Learning**
- ✔ **NLP**
- ✔ **Computer Vision**
- ✔ **Data Visualization**
- ✔ **Database**
- ✔ **PySpark Big Data**

Production Skills

- ✔ **MLOps**
- ✔ **CI/CD**
- ✔ **AWS SageMaker**
- ✔ **AzureML**
- ✔ **Git/GitHub**
- ✔ **Docker**
- ✔ **Kubernetes**
- ✔ **Power BI**
- ✔ **Tubule**

Programming Languages

- ✔ **Python**
- ✔ **R**
- ✔ **C++**
- ✔ **Bash Script**

Achievements

- 🏆 **1st place of pre-master class 2021 at FCI-FU**
- 🏆 **1st place of graduation projects of FCI-FU in 2019**
- 🏆 **3rd place at IEEE-ICPC programming computation in 2018**

Projects

2023-now

Sales Forecasting
IbnSina Pharma
Implemented advanced sales forecasting optimizing product predictions with ML and DL models like ARIMA, SARIMA, and Prophet for strategic planning and sustained industry growth.

2023

Fatigue Prediction
Freelancing
Predicting fatigue by combining ML models(CatBoost, XGBoost, LightGBM) with deep learning models NN, creating a hybrid approach.

2022 - 2023

Network Traffic Load Prediction
STC and MDS
Build a deep learning model to predict the load of the traffic of large-scale real network devices of real infrastructure, then deploy it in production.

2022

Arabic Optical Character Recognition
Freelancing
Developing Arabic OCR systems, successfully deploying one with Docker, Flask, and REST API for efficient text extraction from Arabic images.

2021 - 2023

Video Description/ Captioning
ITI and Fayoum University
My research project integrates NLP and CV via video captioning, employing ResNet, VGG, LSTM, and GLOVE for accurate and insightful textual descriptions.

2021

Facebook Data Analysis
ITI
Interactive Plotly dashboard for Facebook dataset from Kaggle, revealing insightful analytics on interactions like Likes, Shares, and Comments.

2020

Scada Innovation
Linked Gates for Advanced Solutions
We pioneered automation in Scada factories, developing a robust software system with Odoo Framework and Postgres, enhancing manufacturing precision for High Pressure Cabins.

2019 - 2020

VOO
Linked Gates for Advanced Solutions
VOO, a comprehensive software system integrated with a mobile app, optimizes restaurant delivery for a chain in Egypt, streamlining order management, inventory, and customer engagement for a delightful culinary journey.