Ayman Lafaz

Machine Learning Engineering Student
In Search for End of Studies Internship

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EDUCATION

ENGINEERING DEGREE | AI
ENSIAS | Université Mohammed V
2020 - 2023 | Rabat, Morocco

CPGE | TSI
CPGE Salmane Elfarissi
2018 - 2020 | Salé, Morocco

SKILLS

TECHNIQUES
Time Series Analysis and Forecasting, NLP, Recommender Systems, Computer Vision, Classification, Regression and Clustering, MLOps.

PROGRAMMING
Python, R, Julia, SQL, Bash

MACHINE LEARNING TOOLS
Scikit-learn, XGBoost, TensorFlow, Pytorch, Keras, Nltk, Pyspark, Pandas, Numpy, Scipy

DATA ANALYSIS TOOLS
Pandas, Tidyverse, Shiny, ggplot, Plotly

DATA BASES
MySQL, MongoDB, Neo4J

MLOPS TOOLS
Google Cloud, DVC, Docker, Flask, Weights&Biases

EXTRACURRICULAR

ENSIAS AI - President and Later Advisor
Data & Chouafa - Co-Founder and Content Creator

CONTACT INFO

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EXPERIENCE

FREELANCER | Data Science and Machine Learning Freelancer
Part-time
- Machine Learning and Deep Learning Projects
- Data Science services in both R and Python
- Time series Forecasting, Anomaly Detection and Analysis
- Computer Vision

ARCHITEO | NLP Engineering Intern
August 2022 - September 2022 | Rabat, Morocco

- Building a chatbot to communicate with the company's clients or partners or job candidates
- Storing extracted information by the chatbot to an SQL database
- Deploying chatbot to the company's website
- **Tools** : Rasa, Python, Javascript, MySQL

YANECODE DIGITAL | Machine Learning Engineering Intern
July 2022 - September 2022 | Remote

- Collecting Youtube Comments and Replies through YoutubeAPI
- Training and Integration of BERT model for sentiment analysis
- Development of a Web Interface for the Application using Flask
- Serving of Model using FastAPI and Deployment of the app on Heroku
- **Tools** : Huggingface, Pytorch, YoutubeAPI, Flask, FastAPI, Neo4J

STEPS | Data Scientist Intern
July2021 – September2021| Rabat, Morocco
- Analysis of review data about different moroccan attractions using NLP and implementation of a Recommender System for a tourism web application.
- Deployement of a Hybrid MF model to Google Cloud Platform using Docker and Flask API.
- **Tools** : Python, Pandas, Lightfm, Mongodb, Docker, Google Cloud

PROJECTS

MOROCCAN STOCKS CLUSTERING | Python, Pandas, tslearn, DVC, Weights& Biases, Docker
- Clustered over 70 Moroccan companies stocks into 4 clusters based on their trends to derive insights into how different companies got affected by the pandemic.

WIND ENERGY PRODUCTION FORECASTING | Python, Pandas, pmdarima, scikit-learn, Tensorflow
- Analyzed the influence of weather on energy production and built and compared 7 models (ARIMA, Decision Trees, Random Forest, SVM, ANN, RNN, LSTM) to forecast wind energy production.