

RIHANE AYMANE



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Portfolio : aymanerihane.github.io/myportfolio • Github : [aymanerihane](https://github.com/aymanerihane)

Marrakech/Tanger

Summary

AI and Data Science Master's candidate with strong expertise in **designing, developing, and deploying intelligent full-stack AI solutions** using **FastAPI, MEAN Stack, and transformer-based models**. Experienced in **machine learning, natural language processing, computer vision, and data analytics**. Passionate about building **scalable, data-driven systems** that solve real-world problems and optimize processes. Seeking a **PFE internship** to apply technical skills, contribute to innovative projects, and further deepen expertise in **AI, analytics, and software development**.

Experience

DIGIUP

Rabat, Morocco

Application Internship - AI-Enhanced Healthcare Platform | PFA

07/2025 - 09/2025

- **Smart healthcare management platform** that digitizes hospital workflows and centralizes patient records.
- Enables seamless patient-doctor-staff interaction with real-time dashboards and smart scheduling.
- Built **real-time dashboards and smart scheduling**, increasing staff–patient interaction efficiency by **30–40%** within hospital departments.
- Technologies FastApi, React.js, Transformers, BERT, LLMs, Fine-Tuning, Redis, Celery, Nginx

Smart automation technologies

Tangier, Morocco

Final Year Internship – Marketing Operations Management Platform | PFE

04/2024 - 06/2024

- Developed a full-stack marketing operations platform using the MEAN Stack, automating over **60%** of marketing tasks.
- Enhanced campaign management efficiency by **40–50%** through integrated real-time analytics and process automation.
- Technologies : MEAN Stack (MongoDB, Express.js, Angular, Node.js)

Projects

Facial expression detection using Deep Learning

- Deep Learning (CNN), TensorFlow/Keras, OpenCV, Image Preprocessing, Streamlit

Real-Time Amazon Sentiment Analysis Pipeline

- Kafka, Spark MLlib, MongoDB, Docker, NLP(lemmatisation, TF-IDF, ...), Scrapping, Machine Learning, React, FastAPI

Parkinson's disease prediction using Machine Learning

- Machine Learning, SMOTE, PCA (Principal Component Analysis), NumPy, Pandas

Charged System Search Adapted Using Genetic Algorithm For Solving the Travelling Salesman Problem

- Charged System Search (CSS),Genetic Algorithms, CBR

Education

Faculty of Sciences and Technologies Tangier

Tangier, Morocco

Master's in Artificial Intelligence and Data Science

2024 - 2026

- Faculty of Sciences and Technologies Tangier

Faculty of Sciences and Technologies Tangier

Tangier, Morocco

Bachelor's Degree in Software Engineering and Application Development

2021 - 2024

- Faculty of Sciences and Technologies Tangier

Skills

- **Machine Learning & Deep Learning** : Transformers, Scikit-learn, TensorFlow, PyTorch, keras, OpenCV, Mediapipe
- **Data Analysis, Processing, and Visualization** : NumPy, Pandas, PowerBi, Talend, Seaborn, Matplotlib
- **Data Engineering & Big Data Tools** : Spark, Kafka, Hadoop, Celery, Airflow, Redis
- **Databases & Cloud/Infrastructure Tools** : MySQL, PostgreSQL, MongoDB, OpenStack, Terraform, Hyperledger Fabric
- **DevOps** : Docker, Git
- **Programming Languages** : Python, Java, C++, C
- **Web Development** : React, FastAPI, Flask, SpringBoot
- **Internet of Things (IoT)** : Arduino, RasberryPi, MQTT

Languages

Arabic Fluent

English Intermediate

French Intermediate