



HOUSSAM ZITAN

Currently enrolled in the **Master's program in Artificial Intelligence and Data Science** (IASD) at the Faculty of Sciences and Techniques of Tangier (FSTT), I am seeking a **PFA internship** with the goal of deepening the knowledge and skills I have acquired during my initial training.

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EDUCATION

MST : Artificial Intelligence and Data Science

FST Tangier September 2024 – Present

LST : Application Development Engineering

FST Tangier June 2024

Baccalaureate in Physical Sciences – BIOF

Graduated with High Honors June 2020

TECHNICAL SKILLS

- **Machine Learning & Deep Learning :**
Scikit-learn , TensorFlow
- **Data Analysis, Processing, and Visualization :** NumPy, Pandas, PowerBi, Talend, Seaborn, Matplotlib
- **Big Data & Databases :** Spark , Kafka , Hadoop , MySQL , PostgreSQL , SQL server, MongoDB
- **DevOps :** Docker , Kubernetes , CI/CD, Github
- **Programming Languages :** Python , Java , C++ , C
- **Web Development :** React , FastAPI , Django , Flask , SpringBoot , Laravel
- **Internet of Things (IoT) :** Arduino , RaspberryPi , MQTT

EXPERIENCES

Full Stack Developer

PFE | SMART AUTOMATION TECHNOLOGIES

April 2024 – June 2024

Design and development of a platform for managing the physical infrastructures of companies .

MEAN Stack (MongoDB , Express , Angular , Node)

PROJECTS

Facial expression detection using Deep Learning

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

Fintech Platform : Financial application based on Microservices and Web3

Microservices , FastAPI , Docker, Kubernetes , blockchain , Kafka , Authentification JWT , React , Web3.js , MetaMask , Jenkins (CI/CD) et GitHub webhooks .

Parkinson's disease prediction using Machine Learning

Machine learning (Logistic Regression , Random Forest, LightGBM) , SMOTE (Synthetic Minority Over-sampling Technique) , PCA (Principal Component Analysis) , Numpy , Pandas

Real-Time customer review analysis

Kafka , Spark MLIB , MongoDB , Docker , prétraitement NLP (lemmatisation, vectorisation TF-IDF) , Machine Learning , React , FastAPI .

FutureVision : Data management and processing application

Machine Learning , StreamLit (Python) , Scikit-learn , Pandas , Numpy .

Performance evaluation of Fuzzy Clustering in Case-Based Reasoning (CBR)

Machine learning Framework , Case-Based Reasoning (CBR) , Fuzzy C-means , Computational Cost Optimization .

SOFT SKILLS

- Teamwork
- Strong Communication Skills
- Work under pressure
- Autonomy