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 **PFE 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

TECHNICAL SKILLS

- **Machine Learning & Deep Learning :** LLM, Scikit-learn, TensorFlow, PyTorch
- **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 , RasberryPi , MQTT

CERTIFICATIONS

OCI AI Foundations Associate
Oracle University — 2025

EXPERIENCES

Artificial Intelligence Engineer Intern

PFA | YAZAKI MOROCCO — July 2025 – September 2025

Development of an intelligent system for optimizing and verifying KLT (plastic container) pallet packing

Computer Vision , YOLO , Genetic and Greedy Algorithm , ThreeJS

Full Stack Developer Intern

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) and 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 .

SOFT SKILLS

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