Oussama ALAMI

Artificial Intelligence Engineering Student

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EXPERIENCE

Machine Learning/Deep Learning Freelancer
Freelancer

📅 Part time   📍 Rabat, Morocco

- Stock prices prediction with **Time Series**.
- Predict the results of football matches based on historical data.
- Implementing YOLOv5 (You only look once) algorithm to perform **object detection on mobile devices**.
- **Tools :** Python, Tensorflow, Pytorch, Scikit-learn, Pandas

Artificial Intelligence Engineer Intern (Internal Internship)
ENSIAS

📅 01 July 2021 – 31 August 2021   📍 Rabat, Morocco

- Diagnose diabetes using the National Institute of Diabetes and Stroke multi-class dataset.
- **Tools :** Python, Pandas, Scikit-learn

Artificial Intelligence Engineer Intern
Moroccan Parliament

📅 01 July 2022 – 31 August 2022   📍 Rabat, Morocco

- Developing an assistant **Chatbot** based on Deep Learning to answer questions related to the House of Representatives.
- **Tools :** Python, RASA, Flask

PROJECTS

AI-powered learning and question generation platform

- Machine learning API for an ai-powered platform (*Bevinzey*) where users can quickly summarize content to get key points and generate content-based study questions to assess readiness and reinforce learning.
- **Tools :** OpenAI, GPT-3, FastAPI

Handwritten signature verification

- This project involves creating an **object detection** based API that receives two scanned documents: a signed letter and a form with several signatures, and compares the signatures to see if they match. The API will then return the documents with the matching signatures highlighted, along with the accuracy percentage of the match.
- **Tools :** Pytorch, FastAPI, Streamlit, Microsoft Azure

Face recognition attendance application

- A desktop application that uses **computer vision** to automatically track employee attendance. It can be used to identify employees as they enter and exit the office, and to track working hours.
- **Tools :** Python, OpenCV, Face Recognition, PyQt5

EDUCATION

Artificial Intelligence Engineering
Ecole Nationale Supérieure d'Informatique et d'Analyse des Systèmes (ENSIAS) | Université Mohammed V

📅 2020 – Today   📍 RABAT

CPGE | MP (Mathématiques et Physique)
CPGE Ibn Tahir

📅 2018 – 2020   📍 ERRACHIDIA

Baccalaureate | Science math
Lycée Princesse LALLA SALMA

📅 June 2018   📍 RISSANI

SKILLS

- Techniques :
Computer Vision, NLP, Time Series Forecasting, Object detection, Deep Reinforcement Learning, Data Scraping/Automation
- Programming Languages :
Python, R, Javascript
- Machine Learning and Deep Learning :
Scikit-learn, Tensorflow, Pytorch, NLTK
- Data Analysis and Visualization :
Pandas, Matplotlib, Seaborn
- Databases :
MySQL, MongoDB, Firebase
- MLOps and Hosting :
Docker, Microsoft Azure, Amazon Web Services (AWS), Heroku, Replit
- API development :
Flask, FastAPI, Streamlit
- Automation and Web scraping :
Selenium, Requests, Beautiful Soup, Scrapy

LANGUAGES

Arabic
Native Language

English
Fluent

French
Fluent