Oussama ALAMI

Artificial Intelligence Engineering Student

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EXPERIENCE

Machine Learning/Deep Learning Freelancer

Freelancer

📅 Part time   📍 Rabat, Morocco

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

Artificial Intelligence Engineer Intern (Internal Internship)

ENSIAS

📅 June 2021 – September 2021   📍 Rabat, Morocco

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

PROJECTS

AI-powered learning and question generation platform

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

Handwritten signatures verification

- The project consists of creating and deploying an API that receives a scanned signed letter and a scanned form with several signatures. The AI will scan the two documents and recognize handwritten signatures, compare the closest signatures. The API will then return both documents highlighting the matching signatures and the accuracy percentage of their match.
- **Tools :** Pytorch, FastAPI, Streamlit, Microsoft Azure

Face recognition attendance application

- Face recognition desktop application that automatically tracks employee attendance using computer vision.
- **Tools :** Python, OpenCV, Face Recognition, PyQt5

Time series forecasting

- Stock price forecasting using XGBoost, LSTM and ConvLSTM (BP stock price forecasting).
- **Tools :** Python, Tensorflow, Scikit-learn, XGBoost, Pandas, Yahoo! finance API

AI makes art

- Generating artworks that looks real using ProGAN (Progressive Growing of GANs).
- **Tools :** Python, Pytorch

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

📅 Juin 2018   📍 RISSANI

SKILLS

- technics :

Computer Vision, GANs, Time Series Forecasting, NLP, Deep Reinforcement Learning, Data Scraping/Automation

- Programming Languages :

Python, R, Julia, Javascript

- Machine Learning :

Scikit-learn, XGBoost, Pandas

- Deep Learning :

Tensorflow, Keras, Pytorch, NLTK

- Data Analysis Tools :

Pandas, Matplotlib, Seaborn, Shiny

- Databases :

MySQL, MongoDB

LANGUAGES

Arabic

Native Language

English

Fluent

French

Fluent