



# Oussama ALAMI

## Artificial Intelligence Engineering Student

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## EXPERIENCE

### Machine Learning/Deep Learning Freelancer

#### Freelancer

 Part time  Rabat, Morocco

- Brain tumor segmentation with **Deep Neural Networks**.  
**Tools** : Python, Tensorflow, Pillow
- Stock prices prediction with **Time Series**.  
**Tools** : Python, Tensorflow, Pandas
- Predicting football matches results based on historical data.  
**Tools** : Python, Scikit-learn, Pandas

### 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

### 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

## PROJECTS

### AI-powered learning and question generation platform

- Machine learning API for an ai-powered platform (**Bevinzey.com**) 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, AWS

### 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)

 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, Django
- Automation and Web scraping :  
Selenium, Requests, BeautifulSoup, Scrapy

## LANGUAGES

Arabic

Native Language

English

Fluent

French

Fluent