



# Oussama ALAMI

## Artificial Intelligence Engineer

 20 september 2000  
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 alami-oussama

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## EXPERIENCE

### Intern - NLP

#### EMGS Group

 14 february 2023 – 14 august 2023  Paris, France

**Project :** Developing a Matching tool for a Sourcing platform

**Objective :** Facilitate the recruitment process and minimize time and costs

#### Responsibilities :

- Create an algorithm to match and rank candidate profiles with job offers
- Create a smart CV library where clients can search for candidates based on keywords, skills....
- Deployment of the solution

**Tools :** Python, NLP, Docker, FastAPI

### Intern - NLP

#### Moroccan Parliament - house of representatives

 01 july 2022 – 31 august 2022  Rabat, Morocco

**Project :** 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

Collaborate with a Full stack web dev team to create an AI-powered learning and question generation platform (**Bevinzey.com**), it will allow users to :

- Quickly summarize the content to identify key points
- Generate study questions based on the content
- Automatic generation of manuscripts from relevant research documents

**Tools :** OpenAI, GPT-3, LangChain, FastAPI, AWS

### Handwritten signature verification

- Creation of an object detection system based on **YOLO** algorithm
- The system receives a signed letter and a form with several signatures and it will recognize and highlight the signatures and compare them to see if they match

**Tools :** Pytorch, FastAPI, Streamlit, Microsoft Azure

### Brain tumor segmentation

- Develop a model to automatically detect and segment brain tumors from MRI images
- This model will allow doctors to diagnose and treat brain tumors more accurately and quickly

**Tools :** Python, Tesnorflow

### Face recognition attendance application

- Automatically track employee attendance using face recognition
- The desktop application will identify employees as they enter and leave the office to track work hours

**Tools :** Python, OpenCV, Face Recognition, PyQt5

## EDUCATION

### Artificial Intelligence Engineering

#### Ecole Nationale Supérieure d'Informatique et d'Analyse des Systèmes (ENSIAS)

 2020 – 2023  RABAT

### CPGE | MP (Mathematics and Physics)

#### CPGE Ibn Tahir

 2018 – 2020  ERRACHIDIA

### Baccalaureate | Science math

#### Lycée Princesse LALLA SALMA

 June 2018  RISSANI

## SKILLS

#### • Techniques :

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

#### • Programming Languages :

Python, Javascript

#### • Machine Learning and Deep Learning :

Scikit-learn, Tensorflow, Pytorch, Transformers, NLTK, Gensim, SpaCy

#### • Data Analysis and Visualization :

Pandas, Matplotlib, Seaborn

#### • Databases :

MySQL, MongoDB, Firebase

#### • MLOps and Hosting :

Docker, Google Cloud, Microsoft Azure, Amazon Web Services (AWS), Heroku, Replit

#### • API development :

Flask, FastAPI, Django

#### • Automation and Web scraping :

Selenium, Requests, Beautiful Soup, Scrapy

## LANGUAGES

Arabic

Native Language

English

Fluent

French

Fluent