

MOHAMED HMAMOUC

I am a data science engineer from the École des Mines d'Albi. I am currently looking for a full-time position in Data Science.
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PROFESSIONAL EXPERIENCES

EDF	Paris, France
Data Scientist	02/2023 - 08/2023
<ul style="list-style-type: none">Development and evaluation of object detection models based on YOLOv5, YOLOv8, and AWS Rekognition for detecting anomalies in nuclear power plant images.Using spectral analysis techniques such as Fourier and wavelet transforms to extract image features and improve the performance of object detection models.Creating a Python package to facilitate image analysis and preprocessing.	
Groupe Haladjian	Avignon, France
Data Scientist	04/2022 - 08/2022
<ul style="list-style-type: none">Sales forecasting using machine learning and deep learning algorithms: Long Short-Term Memory (LSTM), ARIMA, SARIMAX.Implementation of real-time dashboards for supply chain, sales, purchases, and inventory using PowerBIDeployment of forecast results on PowerBITools : Python, TensorFlow, Keras, Pandas, Numpy, Seaborn, Plotly, statsmodels, GIT, GitHub	
AIAC Junior-Entreprise	Casablanca, Morocco
President	08/2020 - 09/2021
AIAC Junior-Entreprise is a junior company that provides web and mobile development services	
<ul style="list-style-type: none">Implementation of an internal development strategy to improve customer prospecting and experience.Implementation of a quality management system in accordance with ISO9001 standards	

EDUCATION

Ecole des Mines d'Albi	Albi, France
Engineering student in dual degree program with a specialization in data science	09/2022 - 02/2023
<ul style="list-style-type: none">Courses taken: Machine Learning, Deep Learning, Operations Research, Graph Theory, Linear and Non-Linear Optimization, Probability and Statistics, Web Development, Mobile Development, Database	
International Civil Aviation Academy	Casablanca, Morocco
Industrial engineering engineer.	09/2019 - 09/2021
<ul style="list-style-type: none">Courses taken: Data Analysis, Optimization Theory, Applied Mathematics, Game Theory, Stochastic Processes, Computer Architectures...	
Moulay Youssef High School	Rabat, Morocco
Mathematics and Physics Preparatory Classes	09/2017 - 09/2019

PROJECTS

Earthquake prediction using tweets.	France
The project aims to develop NLP algorithms for earthquake prediction based on tweets in collaboration with the French Geological Research and Development Office	
<ul style="list-style-type: none">https://github.com/MohamedHmamouch/Earthquake_prediction	
Job recommendation system	France
Development of a web application for job recommendation using machine learning	
<ul style="list-style-type: none">Extraction of data from the Stack Overflow websiteData processing, analysis, and feature engineering using unsupervised methods such as K-means and t-sneImplementation of various classification algorithms and comparison of their resultsPerformance monitoring of the models using MLflow.https://github.com/MohamedHmamouch/Talent_tracking	

SKILLS



Artificial Intelligence Tools : TensorFlow · PyTorch · GIT · DOCKER · Keras · MLflow

Programming languages: Python · C++ · SQL/T-SQL · MATLAB/Octave · HTML/CSS · JAVA · Flask

LANGUAGES

Français Fluent Anglais Fluent Arabe Native

ACHIEVEMENTS

 Participation in the data science hackathon organized by ArianeGroup in Munich. Development of a web application to monitor and improve the energy performance of machines by predicting and detecting anomalies for each machine.	 Award for the Best Commercial Strategy by the Moroccan Junior Enterprises Confederation. Increase in revenue by 53% compared to previous mandates
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