

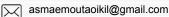
## Miss MOUTAOIKIL Asmae **PhD Student**



☐ 27 year









**Education** 

2013/2015

2015/2018

sciences, with high honors Bab Sahara High school

Guelmim | Morocco

High School diploma, experimental two-year of intensive program preparing for the national competitive exam for entry to engineering schools **CPGE Bab Sahara Physics and science of engineer** Guelmim | Morocco

Diplôme d'ingénieur d'état (master degree in engineering) with high honors National school of applied sciences Agadir | Morocco



2022

#### Work experiences Internships

Doctoral studies at Institute of mechanics and engineering Bordeaux, France

Experimental and numerical methods for the thermal evaluation of adaptive building elements

# université BORDEAUX

01 March 2020 - 15 October 2022 | Data scientist / Research 2022 activity in Physics and Mathematics laboratory:

Forecasting of PV power using Sky images

Classification of sky images with CNN(Tenerife Island(Spain) data):



Data preprocessing: Data augmentation, normalization.

Universidad

de La Laguna

- Define model architecture.
- Fit the model with training data.

Get predictions.

Tools: Python, OpenCV, Tensorflow, Keras Platform : Google colab research

Multistep forecasting of electricity demand using LSTM encoder-decoder(Tenerife Island(Spain) data):

- Data preprocessing: remove outliers, normalization.
- Define model architecture.
- Fit the model with training data.
- Get predictions and compare the results with persistence model.

Tools: Python, OpenCV, Tensorflow, Keras

Platform : Google colab research



#### Special skills

Journal: Renewable Energy

scenarios in Tenerife]

Renewable energy journal

Artificial Neural network: Rstudio, Matlab

**Publications** 

D.Ramallo, A.Moutaoikil, R.Guerrero-Lemus, L.Shephard[ The influence of extreme dust events in

the current and future 100% renewable power

Programming languages: Python, C++

Data analysis: Logiciel R.

Signal processing: Labview.

Embedded systems: VHDL (QUARTUS)

Electrical systems engineering:ETAP

Power electronics, control electronics

Operating systems: Windows, Linux.

Management: Project management, Languages

Tamazight: Mother tongue.

Spanish: Beginner.

French: Fluent CFC score: C1. English: Fluent, Toefl score: B2.

### 2018 15 March – 15 August| OVLT: Orléans Val de Loire Technopole |Orléans

Applied research internship

#### Graduation project : Deep learning : methods and Tools:

- Implemented ANN to regression and classification problems using Rstudio (Supervised learning).
- A software tool (in C++) demonstrator type to use the different scripts and visualize performance directly.
- Implemented Convolutional neural network on Matlab for object detection.
- Application of facial recognition.

Tools: Logiciel R, C++, Python , OpenCV , Matlab

Platform : Deep Cognition

Morocco



Arabe: Mother tongue.

03 July – 03 August | SOGEC: société d'études en génie civil |Agadir

Technical internship: Electrical dimensioning of a building R + 3

- Elaborate the power budget: High current, Low current.
- Study of lighting and propose an optimal type of lighting.
- Develop the price schedule of the project.

Tools: DIALUX Light, AUTOCAD, EXCEL, GANTT Project Standards: NFC 15100, NBN EN 12464-1

SOGEC Société d'Etudes de Génie Civil





Cooking

Traveling

