

MOUADH HAOUALA

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📍 Schiffange, Luxembourg

🔗 <https://mouadh-haouala-github-io.vercel.app/>

🌐 <https://github.com/MOUADHHAOUALA>



Professional Experience

Rail logistic SPA, IT engineer

12/2022 – present
Rouïba, Algeria

- Development of a custom software application for the rail insurance sector, using JavaScript and express programming languages to create a complex software that streamlined the claims processing system;
- use of React in the front-end and Prisma and Express in the back-end to create a full-stack application with a modern user interface and optimised database design;
- configuration of a server using Linux Ubuntu, optimising its performance and security to meet the needs of the organisation;
- provision of technical support to the computer sector, troubleshooting hardware and software issues and implementing solutions to improve system performance and efficiency;
- successful deployment of a full-stack application on the company server, leveraging the power of Docker containers for efficient and scalable deployment. Docker allowed us to encapsulate the application, its dependencies, and configurations into portable containers, ensuring consistent behaviour across various environments.

Projects

Car price prediction model

01/2021 – 02/2021

Development of a car price prediction model using machine learning techniques, applying foundational knowledge in data analysis and machine learning algorithms. This project provided practical experience in data science and predictive modeling.

Development of car detection algorithm using yolov4

04/2021 – 05/2021

Creation of a car detection algorithm using YOLOv4, a cutting-edge deep learning model. This algorithm efficiently identifies and locates cars in images and videos, making it ideal for applications like traffic monitoring and autonomous driving.

Development of ECG signal classification using convolutional neural network

02/2022 – 05/2022

Successful development of a Convolutional Neural Network (CNN) model using deep learning techniques for accurate heartbeat classification. This project showcases expertise in deep learning and its practical application in healthcare.

Full Stack Insurance Application

02/2023 – 07/2023

Design, development, and successful deployment of a comprehensive full-stack application within the company, streamlining the management of insurance services across all sectors of the organisation.

Education

<https://www.univ-guelma.dz/>, Master degree in instrumentation engineering

01/2021 – 06/2022
Guelma, Algeria

<https://www.univ-guelma.dz/>,
Bachelor degree in electrical and electronic engineering

09/2017 – 11/2020
Guelma, Algeria

Certificates

Machine Learning Specialisation • Deep Learning Specialisation

IBM data science professional certificate • Digital Signal Processing 1: Basic Concepts and Algorithms

Languages

English • French • German • Arabic

Skills

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|--------------------|--------------------|
| - Python | - JavaScript |
| - Machine Learning | - Deep Learning |
| - HTML5 | - CSS |
| - SASS | - React |
| - Visual Studio | - Node.js |
| - prisma ORM | - jupyter notebook |
| - express.js | - nest.js |
| - Docker | - Docker compose |

Interests

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|---------------------------|---------------|--------------------------|
| - Artificial Intelligence | - Video Games | - Engineering Technology |
| - Reading | - Philosophy | - Swimming |