MOUADH HAOUALA

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🐙 https://github.com/MOUADHHAOUALA

Professional Experience

Rail logistic SPA, *IT engineer*   12/2022 – present
     Rouïba, Algeria

- developed a custom software application for the rail insurance sector, utilizing JavaScript and express programming languages to create a complex software that streamlined the claims processing system.
- utilizing 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 optimized database design.
- Configured a server using Linux Ubuntu, optimizing its performance and security to meet the needs of the organization.
- Provided technical support to the computer sector, troubleshooting hardware and software issues and implementing solutions to improve system performance and efficiency.
- I successfully deployed 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 behavior across various environments.

Projects

car price prediction model   01/2021 – 02/2021

Developed 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.

Developed car detection algorithm using yolov4   04/2021 – 05/2021

I created 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

Developed ECG signal classification using convolutional neural network   02/2022 – 05/2022

Successfully developed 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 Inurance Application   02/2023 – 07/2023

- Designed, developed, and successfully deployed a comprehensive full-stack application within the company, streamlining the management of insurance services across all sectors of the organization.

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 Specialization • Deep Learning Specialization

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

Languages

Arabic • English • French

Skills

- Python
- Machine Learning
- HTML5
- SASS
- Visual Studio
- prisma ORM
- express.js
- Docker

- JavaScript
- Deep Learning
- CSS
- React
- Node.js
- jupyter notebook
- nest.js
- Docker compose

Interests

- Artificial Intelligence
- Reading

- Video Games
- Philosophy

- Engineering Technology
- Swimming