

ABDELMOUHAIMEN SARHANE

I am currently dedicating my studies to image processing, multimedia, and artificial intelligence, with a keen interest in applying my expertise in Computer Vision. This field excites me due to its vast potential for real-world applications and technological innovations.

I am seeking a summer internship with the goal of progressing to an apprenticeship in 2024/2025.

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EDUCATION

ENSEEIHT - DIGITAL SCIENCE : Image & Multimedia

ENSEEIHT Engineering School

2022 - 2025 TOULOUSE, FRANCE

MPSI/PSI Preparatory Classes (Physics and Engineering Sciences)

CPGE SAINT-BENOIT

2020 - 2022 ANGERS, FRANCE

PROFESSIONAL EXPERIENCE

Internship: Energy Consumption in Matrix Computations Using Compressed Data

ENAC

2023 June - 2023 July Toulouse, France

- C Programming: Utilized for assessing energy efficiency with PowerJoular
- Blaz Compressor: Explored innovative lossy compression for 2D floating-point arrays allowing direct computations on compressed data.
- Sports Analytics Application: Analyzed football match data to compute player movement heatmaps, demonstrating energy savings.

Restaurant polyval employee

TERRA BOTANICA

2021 Angers, France

PROJECTS

Traffic Sign Image Classification

- Convolutional Neural Network (CNN) model for the classification of European traffic sign images
- Data preprocessing and augmentation efforts to enhance model training and accuracy
- Model optimization techniques to prevent overfitting and improve generalization
- Technologies Used: Python, TensorFlow, Keras, Matplotlib

2024 Enseeiht

CS50X PERSONAL PROJECT - WEB APPLICATION

- Database administration and web design
- Written in Python with PostgreSQL support using the Flask library
- View and edit Heroku databases with a more user-friendly interface

2021

RevEasy - Interactive Java/Swing learning platform

- Swing GUI: Navigation, content management, text formatting
- Quiz Mechanisms: Personalized review options, backend logic implementation.

2023 Enseeiht

IT SKILLS

Programming:

Python, C++, Java, R, OCamL

Database:

MySQL, PostgreSQL

Data scraping and analysis tools:

OpenVINO, sklearn, pomegranate, scipy, tensorflow, nltk, openCV

Web Application:

Django-Flask, PHP, HTML, CSS, JS, REACT

Other:

Docker

Matlab, Scilab

Design:

Photoshop, Illustrator, After effects, Canva

CERTIFICATIONS

Computer Vision and Image Processing Essentials

IBM

2023 Coursera

Python CS50P and CS50x Certificates

Advanced Python | Web Development

2022 edX-Harvard

LANGUAGES

French Fluent

English Fluent

Arabic Native

Japanese Beginner

Spanish Beginner

INTERESTS

Science and technology

AI

Art

Design

Gaming

Sports

Martial arts

Photography