



Hamed Abdelaziz Inezarene

AI Intern | Full-Stack Developer | Computer Science Student

Passionate about technology and artificial intelligence, I specialize in full-stack web development. Currently pursuing a Bachelor's in Computer Science, I am looking for an AI internship or junior developer position, available starting June 2025.

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EDUCATION

Bachelor's in Computer Science

Houari Boumediene University of Science and Technology - USTHB

09/2021 - Present

Courses :

- Algorithms and Data Structures, Object-Oriented Programming, Computer Architecture
- Information Systems, Operating Systems, Probability & Statistics, Databases

SKILLS

Image Data Annotation & Preprocessing

CNN

Computer Vision

Express

Git - Github

Java

JavaScript

Linux

MongoDB

React

Machine Learning Modeling

Next.js

Python

Spring Boot

SQL

Tailwind CSS

EXPERIENCE

AI Intern

Advanced Technology Development Center

01/2025 - Present

Algiers, Algeria

Missions

- Designed and trained machine learning models to detect railway defects
- Preprocessed image data and analyzed performance metrics to improve detection accuracy
- Developed an interactive dashboard with a map-based interface for real-time inspection monitoring
- Implemented secure access for on-site and remote users to track rail status

Full-Stack Developer Intern

FlamboSoft

08/2023 - 09/2023

Algiers, Algeria

Missions

- Participated in full-stack application development
- Worked in a Linux environment using tools like Git, PostgreSQL, Node.js, and Yarn
- Gained experience with Ruby on Rails (backend) and Hotwire (modern web interfaces)

PROJECTS

Railway Inspection Dashboard (05/2025 - Present)

- Developed a web dashboard with a map interface (defect location visualization)
- Integrated secure access for on-site and remote users
- Managed historical data and enabled dynamic filtering by defect type or region

AI-Based Railway Defect Detection (01/2025 - 04/2025)

- Designed and trained machine learning models to identify cracks, wear, and misalignments
- Preprocessed and annotated image datasets to improve detection accuracy

Medical Office Management System

(05/2024 - 06/2024)

- Built an integrated system for managing medical records, appointments, prescriptions, and patient tracking
- Used React and Tailwind for frontend, Spring Boot and MongoDB for backend
- Collaborated with a partner using Git and GitHub

Server Monitoring Web App (07/2024)

- Allowed users to execute Linux commands, manage files, and monitor CPU/RAM usage in real time via a web interface
- Backend implemented using Node.js, Express, and node-ssh

LANGUAGES

English

French

Arabic