Hrara Mouloud

Software Engineering Student

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📍 Rabat, Morocco   in Mouloud Hrara

⌗ mouloudhrara

🧠 SKILLS

Programming Languages
Java (OOP,Data Structures, Maven), JavaScript, Python, C

Front-End Development
React, HTML5, CSS3, Bootstrap, Tailwind CSS

Backend-Development
Node.js, Express.js, Spring Boot

Database Management
MySQL, MongoDB

Collaboration Tools
Git, GitHub

Tools and Technologies
Linux, Docker, Kubernetes, Postman, Figma, Canva

🌐 LANGUAGES

English — Fluent

French — Fluent

Arabic — Native/Bilingual

🔑 INTERESTS

Competitive Programming

Chess

Football

Passionate about software engineering, I thrive on exploring the latest technologies to drive innovation and creative problem-solving. Committed to continuous learning, I aim to develop impactful solutions that add value and simplify complex challenges.

🎓 EDUCATION

National Institute of Posts and Telecommunications - INPT
Systems and Digital Services Engineer
2023 – 2026 | Rabat

Mohamed V Preparatory Classes Center
Mathematics and Physics
2021 – 2023 | Beni Mellal

Abou El Kacem Ezzayani
Baccalaureate in Mathematical Sciences A
2019 – 2021 | Khenifra

📂 PROJECTS

Booking Application
Built a full-featured booking platform allowing users to register, list accommodations, upload photos, and manage bookings.
Tools: React, Tailwind CSS, Express.js, Node.js, MongoDB, Git, Postman

Chat Application
Developed a real-time chat application enabling user registration, messaging, and file sharing.
Tools: React, Tailwind CSS, Express.js, Node.js, MongoDB, JSON Web Token, Git, Postman

Career Bridge
Developed a job matching platform where employers post jobs with required skills, and job seekers upload resumes to automatically extract their skills/experience. The AI system then matches candidates with relevant jobs, while admins track all applications.
Tools: Node.js, Express.js, React, MySQL, Groq API, NLP and LLM, Tailwind CSS, PDF parser, Postman

Object Tracking System
Designed and implemented a real-time multi-object tracking system using *YOLOv5* for object detection and *DeepSORT* for identity tracking.Deployed the solution on a *Raspberry Pi* using *OpenCV*, enabling edge-level video processing and live tracking.
Tools: Python, OpenCV, YOLOv5, DeepSORT, Raspberry Pi, Git

💼 EXTRACURRICULAR ACTIVITIES

Vice-President
Forum GENI ENTERPRISES INPT – 20th Edition
05/2024 – Present | Rabat, Morocco

Logistics Manager
Social Affairs Club at INPT
04/2024 – Present | Rabat, Morocco

Interviewer
The General Population and Housing Census
09/2024 | Midelt

Active Participant
Forum GENI ENTERPRISES ENSIAS x INSEA x INPT – 19th Edition
10/2023 | Rabat, Morocco