

Hammami Mahdi

Computer Science Engineering Student

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Overview

Computer Science Engineering student at ENSI with strong skills in software development, machine learning, and DevOps. Experienced in building full-stack applications, automating CI/CD pipelines, and deploying scalable cloud systems. Solid background in data analysis, deep learning, and applied AI across real enterprise projects. Seeking opportunities in FinTech, AI Engineering, or Software Engineering.

Education

National School of Computer Science (ENSI)	Sept. 2023 – Present
Computer Science Engineer — Coursework: Algorithmic, OOP, Probabilities , machine learning , Deep learning, BI , analyse de données	
El Manar Preparatory Institute for Engineering Studies (IPEIEM)	Sept. 2021 – Jun. 2023
Coursework: Mathematics, Physics, Chemistry, Mechanics, IT	

Experience

Sofrecom – Summer Internship	Jul. 2025 – Aug. 2025
<ul style="list-style-type: none">Engineered a GitLab release orchestration platform for multi-repository and monorepo environments using NestJS, Angular, MongoDB, and Prisma ORM.Integrated Keycloak-based OAuth2 SSO with GitLab REST APIs.Created a full CI/CD pipeline in Jenkins: unit tests with Jest, quality gates with SonarQube, build & Dockerization, pushed images to GitLab Container Registry.	
Centre Informatique Ministère des Finances (CIMF) – Internship	Jun. 2025 – Jul. 2025
<ul style="list-style-type: none">Developed visitor management system leveraging Angular, Spring Boot, and PostgreSQL.Implemented role-based access control (RBAC) and automated quality gates using JUnit, Mockito, SonarQube.Deployed the app via ngrok.	
ACTIA Engineering Services – Internship	Jul. 2024 – Sep. 2024
<ul style="list-style-type: none">Built a training management platform using Angular, Spring Boot, MySQL.Integrated survey-based feedback modules with RESTful APIs.	

Academic Projects

InvestiCase – Investigation Case Manager	October – December 2025
<ul style="list-style-type: none">Containerized a full-stack Angular + Spring Boot + MySQL application using Docker for scalable deployment.Deployed the solution on Microsoft Azure using App Service, Azure Database for Postgres, and Blob Storage for static assets.Integrated an RAG-based LLM chatbot to assist in legal decision-making and case analysis.	
Carpooling B2B Mobile Application	Feb. – May 2025
<ul style="list-style-type: none">Cross-platform solution with real-time chat and gamification.Managed concurrent trips with scheduling, analytics dashboard, and user matching.Implemented email-based authentication with token verification.Engineered a responsive UI/UX architecture.	

Language and Technical Skills

Languages: Arabic (Native), French (Fluent), English (Fluent), Deutsch (Basic)	Databases: MySQL, PostgreSQL, SSMS, MongoDB
Programming: JavaScript, Java, Python, PHP, HTML, CSS	Big Data / Analytics: Hadoop, Power BI, SSIS
Frameworks / Libraries: React.js, Angular, Node.js, Express.js, Spring Boot, Nest.js, TensorFlow, PyTorch, Pandas, Scikit-learn	DevOps / CI/CD / Cloud: Jenkins, GitLab CI/CD, Docker, Docker Compose, Kubernetes, Ansible, Trivy, Linux, Azure
	Software / Tools: Pack Office, Adobe Photoshop, StarUML, Android Studio, Arduino IDE

Certifications

• DevSecOps (Le Bon Développeur)	2025	• AI Fundamentals (IBM)	2024
• MERN Stack (Opus Lab)	2024	• Machine Learning Specialization (Stanford)	2024