Mohamed Hajji

Software Engineering Student

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in Mohamed Hajji   🌐 Portfolio   ⌂ Mohamed

Education

Higher Institute of Informatics and Mathematics ISIMM   *Sept 2022 – Current*
BSc - MSc in Software Engineering

- **Coursework:** Data structure and algorithms, Operating systems, OOP, System Design
- **Technical Skills:** Python, Java, Typescript, Solidity, SQL, HTML, CSS
- **Tools & Frameworks:** React, NodeJs, NextJs, Elysia, MongoDB, PostgreSQL, Langchain, Mastra, Git, Linux

Experience

Software Engineer Intern   *Remote, France January –*
Hi-Interns   *Current*

- Leading the end-to-end migration of a production ATS platform from Remix to Next.js by restructuring the architecture into a scalable full-stack setup while preserving active user workflows.
- Reworking backend logic and relational database schemas to optimize queries for job postings and application management.

Software Engineer Intern   *Remote, Tunisia May –*
Truggl LLC   *August 2025*

- Architected and shipped a full-stack AI platform featuring a RAG-powered chatbot, using Langflow, for automated VSL generation.
- Configured subscription management with Stripe, including custom checkout flows, webhook processing, and feature gating according to user plans.
- Implemented secure user authentication and RBAC with Supabase Auth, to manage permissions and subscription features supporting +500 users.

Software Developer Intern   *Tunis, Tunisia February –*
AZCorporate   *June 2025*

- Developed a full-stack project management and employee performance platform for teams and managers as a final-year project.
- Designed KPI-based evaluation logic, task-based progress tracking, and feedback management to enable longitudinal performance insights.

Projects

Shyft ↗

- Developed Shyft, a Discord bot that automates scheduling and shift tracking for startup teams, attracting 90+ users on the waitlist before launch.
- Building using Next.js, Discord.js, and an Express.js backend, with RESTful APIs handling real-time shift data.

TrugglAI ↗

- Led the end-to-end delivery of a production RAG-AI platform, contributing across system design, implementation, and deployment.
- Enabled monetization and access-control foundations supporting 2 paid plans and secure feature gating at scale.

Achievements & Certifications

Coding Moon v4 Hackathon 1st Place Winner: building and pitching an AI-powered solution under intense time constraints for 12hrs.

Hashgraph Developer Certified: Learned the fundamentals of the Hashgraph consensus algorithm within the Hedera ecosystem, focusing on scalability and decentralized applications.

Coursera Blockchain Basics Certificate: Learned decentralized systems, including blockchain structure, transaction validation, and consensus mechanisms.