

HSAN ELLOUZE

Software Engineering Student | Full Stack Developer

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PROFILE

I am a fourth-year Software Engineering student at INSAT, Tunisia. I have gained practical experience through multiple internships and projects, and I am seeking an internship to further enhance my software development and full-stack skills.

WORK EXPERIENCE

Fullstack Developer (Part-time, ongoing) Mar 2024 – Present

Mazdev

- Developed an AI-powered platform for legal contract review assistance.
- Implemented tools for contract analysis and risk detection.

Technologies: FastAPI, React, Next.js, MongoDB, Docker, Git

Intern Jul 2025 – Sep 2025

Mazdev

- Designed and developed a modular chatbot platform configurable via YAML, integrating external tools through function calling.
- Implemented a Retrieval-Augmented Generation (RAG) engine using Pinecone and text embedding models for semantic search and contextual reasoning.
- Added an automated testing mode with simulated scenarios to validate chatbot behavior.

Technologies: Python, FastAPI, Pinecone, Text Embedding Models

Intern Aug – Sep 2024

Steros

- Developed a responsive showcase website for a new company service.
- Integrated interactive features to enhance user experience.

Technologies: HTML5, CSS3, JavaScript, PHP, Bootstrap, MySQL

PROJECTS

PromptCraft May – Jun 2025

- Developed an AI-powered NFT generation and trading platform with a real-time auction system.

Technologies: Vue, Velzon, NestJS, WebSocket, GraphQL, REST API, SSE

Uptime Monitoring Jan – Feb 2025

- Built a real-time URL monitoring system and implemented analytical dashboards for monitoring performance.

Technologies: ASP.NET Core, Entity Framework, SQL Server, C#

CP Coach Oct – Nov 2024

- Developed a coaching platform for competitive programmers with progress tracking.

Technologies: PHP, MySQL, JavaScript, HTML/CSS

VOLUNTEERING

Junior Enterprise INSAT – Event Mission Leader Aug 2024 – Jun 2025

- Organized the INSAT Enterprise Forum 6.0 (30+ companies, 1500+ participants).
- Coordinated and managed the organizing team.
- Led strategic planning, monitored activities, and managed documentation.

ACM INSAT – Operations Manager, WinterCup 7.0 Feb – Mar 2025

- Managed the programming competition (150+ participants).
- Coordinated teams and event logistics.
- Implemented and monitored operational procedures.

EDUCATION

Engineering Degree in Software Engineering
INSAT – National Institute of Applied Sciences and Technology
Sep 2022 – Present | EQF Level 7

TECHNICAL SKILLS

Programming & Web Development
Python, JavaScript, SQL, HTML5, CSS3

Frameworks & Tools
FastAPI, React, Next.js, Vue, NestJS, ASP.NET, Symfony, Git, Docker

Specialized Skills
RAG, Agile Development, ICT Project Management, Entrepreneurship, Strategic Planning

SOFT SKILLS

Participative Leadership, Project Management, Event Organization, Problem Solving, Autonomy

LANGUAGES

Arabic: Native
French: Listening C2, Reading C2, Writing C1, Speaking C2, Interaction C1
English: Listening C1, Reading B2, Writing B2, Speaking B2, Interaction C1