

# 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)

Mazdev

Mar 2024 – Present

- 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, Winter Cup 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