



Hsan Ellouze

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Gender: Male **Date of birth**: 07/04/2003 **Place of birth**: Sfax, Tunisia **Nationality**: Tunisian

ABOUT ME

I am a fourth-year Software Engineering student at the National Institute of Applied Sciences and Technology (INSAT) in Tunisia. With some academic and professional experience, I am seeking an internship to further develop my practical skills and gain professional experience.

EDUCATION AND TRAINING

[01/09/2022 – Current]

Software Engineering

INSAT www.insat.rnu.tn

City: Tunis | **Country**: Tunisia | **Level in EQF**: EQF level 7

WORK EXPERIENCE

Mazdev

City: Tunis | **Country**: Tunisia

[04/07/2025 – 04/09/2025]

Intern

- 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

Mazdev

City: Tunis | **Country**: Tunisia

[01/03/2024 – Current]

Fullstack developer - Part-time job

- 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

Steros

City: Sfax | **Country**: Tunisia

[01/08/2024 – 01/09/2024]

Intern

- 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

[01/05/2025 – 09/06/2025]

PromptCraft

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

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

[10/01/2025 – 01/02/2025]

Uptime Monitoring

Built a real-time URL monitoring system with analytical dashboards.

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

[01/10/2024 – 15/11/2024] **CP Coach**

Developed a coaching platform for competitive programmers with progress tracking.

Technologies: PHP, MySQL, JavaScript, HTML/CSS

VOLUNTEERING

[01/08/2024 – 01/06/2025] **Junior Enterprise INSAT – Event Mission Leader**

- 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.

[01/02/2025 – 07/03/2025] **ACM INSAT – Operations Manager, WinterCup 7.0**

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

SKILLS

Python (computer programming) | web programming | SQL | JavaScript | JavaScript Framework
| Agile development | ICT project management methodologies | entrepreneurship | strategic
planning

LANGUAGE SKILLS

Mother tongue(s): Arabic

Other language(s):

French

LISTENING C2 **READING** C2 **WRITING** C1

SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C1

English

LISTENING C1 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user