

# Salma Ben Haj Khalifa

Final-year Software Engineering Student - ISSAT Sousse

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## Profile

Passionate and innovative Software Engineering student specializing in **full-stack web development** and **AI integration**. Skilled in building **scalable, interactive** solutions with modern technologies, and driven by a **continuous learning mindset** and **problem-solving spirit**.

## Education

<b>Engineering Cycle</b> , Higher Institute of Applied Sciences and Technology of Sousse(ISSAT Sousse)	September 2023 - Present
<b>Integrated Preparatory Program MPI</b> , Higher Institute of Applied Sciences and Technology of Sousse	September 2021- June 2023
<b>Experimental Science Baccalaureate (High Distinction)</b> , Zaouia Ksiba and Thrayet High school	July 2021

## Professional Experience

<b>Summer internship, Information Systems Developer – ViZmerald</b>	<i>June – August 2025</i>
<i>Technologies: Next.js, Django, Odoo, MongoDB, PostgreSQL, ClickUp, Notion, Slack</i>	
<ul style="list-style-type: none"><li>Maintenance, optimization, and deployment of a full-stack application in a production environment.</li><li>Separation of the application into two distinct modules to improve maintainability.</li></ul>	
<b>Summer Internship, Odoo Developer – Veganet</b>	<i>July – August 2024</i>
<i>Technologies: Odoo, Python, XML, PostgreSQL</i>	
<ul style="list-style-type: none"><li>Advanced customization of Odoo modules: adapting and extending models and views to meet specific business requirements.</li><li>Full-stack development: implementing new features in Python (Odoo ORM) and customizing views in XML.</li></ul>	

## Technical Skills

**Programming Languages:** Python, JavaScript, PHP, C, C++, Java, SQL

**Markup and styling languages:** HTML, CSS, XML

**Frameworks and Libraries:** React.js, Next.js, Express.js, Spring Boot, Symfony, Django, FastAPI, Bootstrap, Tailwind CSS, Java Swing

**Databases:** MySQL, MongoDB, PostgreSQL

**AI and Data Technologies:** OpenCV, MediaPipe, NumPy, Pandas, Matplotlib, PyAutoGUI, LangChain, Llama

**Tools and Platforms:** Git, GitHub, VS Code, Figma, AWS, Postman, Vercel, ClickUp, Notion, Slack

## Projects

### Interview Prep AI

Full-stack interview preparation platform with AI-powered question and explanation generation.

*Technologies: MERN stack (MongoDB, Express.js, React.js, Node.js), Tailwind CSS, REST API, AI integration*

### CareerBridge

Full-stack platform connecting recruiters and employees through AI-driven matching. Candidates upload resumes to get personalized job suggestions, while recruiters post jobs and filter ideal profiles using AI embeddings.

*Technologies: FastAPI, PostgreSQL, Next.js, TypeScript, Tailwind CSS, OpenAI API, JWT Authentication*

### Management of Final Year Projects (PFEs)

A module integrated into our institute's ISSTASO+ platform, enabling the planning and management of final-year project presentations.

*Technologies: React.js, Django, REST API, Tailwind CSS*

### Hand Gesture Volume Control

AI-powered system that recognizes hand gestures in real time to control system volume.

*Technologies: Python, OpenCV, MediaPipe, PyAutoGUI*

### Dar D'Art

Web application for managing guest houses, including appointment scheduling, customer management, and chat room features.

*Technologies: Java Swing, WebSockets, MySQL*

## Certifications

**Building LLM Applications With Prompt Engineering(NVIDIA)**

November 2025

**Fundamentals of Deep Learning(NVIDIA)**

September 2025

**Cloud Computing with AWS – Introduction**

February 2025

**Full-Stack Development with MERN**

January 2025

## **Languages**

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French: Advanced   English: Advanced   Italian: Beginner   Arabic: Native

## **Association Experience**

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### **NATEG ISSATSO - Marketing Lead**

2024 - 2025

- Communication strategies, social media, promotion of club events.

### **NATEG ISSATSO - Treasurer**

2023 - 2024

- Budget management, fundraising, and resource optimization for club activities.

### **NATEG ISSATSO - Charity Department**

2022 - 2023

- Organizing fundraising campaigns and humanitarian actions.