

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

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

Professional Experience

Summer internship, Information Systems Developer – ViZmerald June – August 2025

Technologies: Next.js, Django, Odoo, MongoDB, PostgreSQL, ClickUp, Notion, Slack

- Maintenance, optimization, and deployment of a full-stack application in a production environment.
- Separation of the application into two distinct modules to improve maintainability.

Summer Internship, Odoo Developer – Veganet July – August 2024

Technologies: Odoo, Python, XML, PostgreSQL

- Advanced customization of Odoo modules: adapting and extending models and views to meet specific business requirements.
- Full-stack development: implementing new features in Python (Odoo ORM) and customizing views in XML.

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

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

Association Experience

NATEG ISSATSO - Marketing Lead	2024 - 2025
<ul style="list-style-type: none">Communication strategies, social media, promotion of club events.	
NATEG ISSATSO - Treasurer	2023 - 2024
<ul style="list-style-type: none">Budget management, fundraising, and resource optimization for club activities.	
NATEG ISSATSO - Charity Department	2022 - 2023
<ul style="list-style-type: none">Organizing fundraising campaigns and humanitarian actions.	