Salma Ben Hadj Khalifa

Final-year Software Engineering Student - ISSAT Sousse

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Profile

Passionate web developer, designing innovative and interactive solutions. Curious and motivated, I constantly explore new technologies, including artificial intelligence, to enhance my skills and optimize my projects.

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
- 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: JavaScript, PHP, Python, C, C++, Java, SQL
Markup and styling languages: HTML, CSS, XML
Frameworks and Libraries: React.js, Next.js, Express.js, Spring Boot, Symfony, Django, Bootstrap, Tailwind CSS, Java Swing
Databases: MySQL, MongoDB, PostgreSQL
AI & Data Technologies: Machine Learning, Computer Vision (OpenCV, MediaPipe), Prompt Engineering, Predictive Modeling, Data Analysis and Visualization (NumPy, Pandas, Matplotlib)
Tools & Platforms: Git, GitHub, VS Code, Figma, AWS, Postman, Vercel, ClickUp

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, AI integration***
Hand Gesture Volume Control AI-powered system that recognizes hand gestures in real time to control system volume
*Technologies: **Python, OpenCV, MediaPipe, PyAutoGUI***
Management of Final Year Projects (PFEs) A module integrated into our institute's ISSTASO+ platform, enabling the planification of final year projects presentations.
*Technologies: **React.js , Django, Tailwind CSS***
Dar D'art Web Application for managing guest houses, including appointment scheduling, customer management, and chat room features.
*Technologies: **JavaSwing, WebSockets, MySQL***

Certifications

Fundemantals 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
- 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.