

Safwen Cherif

Software Engineering Student

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Professional Summary

Motivated Software Engineering student with strong experience in full-stack development, data engineering, and AI-powered systems through academic projects and internships. Skilled in Java, Python, JavaScript, and modern frameworks. Passionate about building scalable, data-driven applications and continuously learning new technologies.

Education

Polytech Sousse 2024 – Present

Engineering Degree – Software Engineering and Information Systems

Higher Institute of Information and Communication Technologies 2021 – 2024

Bachelor's Degree in Software Engineering and Information Systems

Baccalaureate in Mathematics 2020 – 2021

Professional Experience

Elite Council Consulting — Remote Jun 2025 – Jul 2025

Software Development Intern (React.js, Flask, MongoDB)

- Developed a smart school attendance system with AI integration.
- Built RESTful APIs and interactive dashboards for real-time monitoring.
- Implemented authentication, role-based access, and data visualization.

Nachd-IT — Sousse Feb 2024 – May 2024

Final Year Project Intern (Laravel, JavaScript, jQuery)

- Designed and developed **Hannibal Market**, a multi-vendor e-commerce platform.
- Integrated real-time messaging and vendor management features.
- Followed agile practices and delivered a complete production-ready solution.

Nachd-IT — Sousse Jul 2023 – Aug 2023

Software Development Intern (Laravel, MySQL)

- Developed **MyLabo**, a dynamic website for a research laboratory.
- Implemented backend logic, database design, and responsive UI components.

Academic & Personal Projects

Data Warehouse Project – Power BI vs Python

- Designed and implemented a Data Warehouse using the **Northwind** database.
- Built ETL pipelines and analytical dashboards using **Python, SQLAlchemy, Power BI**.

Mobile E-Commerce Application with Delivery System

- Developed an Android e-commerce app with order tracking and in-app messaging.
- Technologies: **Android Studio, Java, Firebase, Cloudinary**.

Hospital Management System (Java Swing)

- Desktop application for managing patients, doctors, and appointments.

- Implemented authentication and CRUD operations using **Java Swing**.

Health Management System — HTML, CSS, Django, SQLite

- Web-based system managing doctors, patients, and administrators.

Other Projects

- **MyBloggy**: Blogging platform (React.js, Node.js, Express.js, MongoDB)
- **TripSummit**: Travel agency web platform (Blade, Laravel, MySQL, Laragon)
- **Tower-Defence**: 2D game developed using Python and Pygame

Technical Skills

Programming Languages: Python, Java, JavaScript, PHP

Frameworks & Libraries: React.js, Next.js, Symfony, Laravel, Spring Boot, Flask, Node.js

Databases: MySQL, MongoDB, SQLite

Data & AI: Pandas, NumPy, Data Warehousing, ETL, Power-Query, Power BI

Tools: Git, GitHub, UML, XAMPP, Laragon, Android Studio, Power BI, Firebase, Postman

Web: HTML, CSS

Methodologies: Agile, scrum

Professional Skills: Team collaboration, Problem solving, Adaptability, Time management

Languages

Arabic (Native)

English (Fluent)

French (Fluent)

Activities & Volunteering

Academic Socio-Cultural Project (PSC) — Polytech Sousse *2024*

- Participated in a faculty-supervised public health initiative targeting primary schools.
- Provided first-aid kits and organized free medical consultations for children.
- Delivered awareness activities on dental hygiene and respiratory diseases.
- Conducted under the supervision of the Regional Health Delegation of Sousse.

Red Crescent – Chebba, Mahdia

Jul 2022 – Present

Member — Treasurer in the “Koffet Romdhan” initiative

ACM EPS – Sousse

Nov 2024 – Present

Member