



Hamza Znaidi

Software Engineering & Information Systems Student

Enthusiastic and motivated software engineering student with a strong foundation in web development, software engineering principles, and problem-solving. Passionate about building efficient, user-friendly applications. Eager to learn new technologies, contribute to impactful projects, and continuously improve both technically and personally. Known for fast learning, adaptability, and strong teamwork skills

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GitHub

github.com/Hamza-Znaidi

Portfolio

portfolio-hamza-znaidi.vercel.app

Education

2024–2026

Bachelor's Degree in Software Engineering and Information Systems

Faculty of Sciences of Monastir

2023

Computer Science Baccalaureate

Mohammedia 1 High School

Language

English : Fluent

French : Fluent

Arabic : Native

Projects

MedicalCare SOA project

- Built a microservices-based medical management system with secure role-based access.
- Containerized services using Docker to ensure scalable and consistent deployment.

(Spring Boot, Node.js, Express.js, .NET, Docker/Docker Compose)

Diabetes Risk Prediction System

- Developed an end-to-end machine learning pipeline for diabetes risk classification.
- Deployed a simple web interface for real-time user predictions.

(Python, Scikit-learn, Flask, Streamlit)

Graph-Based Movie Recommendation System

- Implemented a movie recommendation engine using graph similarity and Neo4j.
- Designed a Flask backend to visualize and query complex movie relationships.

(Python, Flask, Neo4j, Cypher)

Full-Stack MERN Wealth Wallet

- Built a secure financial management app with real-time analytics and data visualization.
- Implemented JWT authentication and Excel data export functionality.

(React, Node.js, Express, MongoDB)

PFA – Music Player: NanoVerse

- Developed a full-featured music player with authentication and playlist management.
- Integrated lyrics recognition and synchronized lyric display.

(HTML, CSS, JavaScript, Python)

Technical Skills

Category	Skills
Programming Languages	Python, JavaScript, Java, C, C#, C++
Web & Frameworks	React, Next.js, Node.js, Express.js, Flask, Streamlit, HTML, CSS
Databases	MongoDB, Neo4j, MySQL
Tools & DevOps	Docker, Docker Compose, Git, JWT, Scikit-learn, Pandas, Numpy, Matplotlib, Seaborn