Eya KHALFALLAH

Computer science engineering student

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EDUCATION

National Diploma of Engineering in Computer Science — National School of Computer Science (ENSI)
IoT speciality — 2022 - present

Diploma of First Cycle University Studies Higher Institute of Applied Sciences and Technology (IssatMh)
Ranked 248/1831 in the national engineering contest MP branch — 2019 - 2022

EXPERIENCE

ZNet-IT - *Freelance Developer* — Aug. 2024 – present
* Developed mobile apps focused on frontend UX, responsive web interfaces, and optimized backend API integration.
* Managed database deployment to enhance data flow and performance.

(Flutter, ReactJS, NestJS, PostgreSQL)

ZNet-IT - *Summer Internship* — Jun. 2024 – Aug. 2024
* Built the frontend for a healthcare app, prioritizing UX and responsiveness.
* Developed RESTful APIs for smooth frontend-backend communication.
* Collaborated with cross-functional teams to enhance app performance.

(Flutter, NestJS, PostgreSQL)

I-WAY - *Summer Internship* — Jul. 2023 – Aug. 2023
* Designed scalable backend architecture with flexible data flow.
* Developed APIs for seamless web app-database interaction.
* Conducted backend testing to ensure API reliability.

(MongoDB, ExpressJS, NodeJS)

PROJECTS

MindfulU (Flutter, Firebase)
* Developed a mental health app for University of Manouba students, including assessments, mood tracking, and access to support resources.
* Integrated a chatbot and psychotherapist contacts to promote well-being and self-care.

EJE Website (ReactJS)
* Created a dynamic website for ENSI Junior Enterprise, showcasing the organization's history, services, and achievements.
* Highlighted past events and activities, providing a complete view of the association's impact.

Recipe Finder (MERN Stack)
* Built a recipe discovery app with personalized collections, ingredient search, and filtering by cuisine.
* Implemented features for user ratings and comments to boost engagement.

Cosmetic Products Website (JavaScript, PHP, MySQL)
* Developed a responsive web app for browsing and filtering cosmetic products by category or price.
* Added user authentication and a review system for product feedback.

TECHNICAL SKILLS & INTERESTS

Languages: Python, C/C++, Javascript, Assembly, Bash, VHDL

Embedded Environments: Arduino, ESP32, Raspberry pi pico

Libraries & Frameworks: Flutter, Firebase, ReactJS, NodeJS, ExpressJS, NestJS

Databases: MySQL, PostgreSQL, MongoDB, Oracle

EXTRACURRICULAR ACTIVITIES

ENSI Junior Entreprise - *Honorary Member* — Aug. 2024 – present
ENSI Junior Entreprise - *Operation Mission Leader* — Aug. 2023 – Aug. 2024