



# 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, Docker)  
**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, Docker)  
**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)  
\* Mental health app for University of Manouba students.  
\* Includes assessments, mood tracking, chatbot, and therapist contacts.  
\* Promotes student well-being and self-care.  
**EJE Website** (ReactJS)  
\* Website for ENSI Junior Enterprise.  
\* Covers presentation, history, services, and achievements.  
\* Showcases past events and activities.  
**Recipe Finder** (MERN Stack)  
\* Recipe app for discovering, saving, and sharing.  
\* Supports personalized collections, search, and filters.  
\* Features user ratings and comments.  
**E-commerce Web Application** (MERN Stack)  
\* E-commerce platform for easy browsing and purchases.  
\* Includes order tracking and personalized recommendations.  
**Cosmetic Products Website** (JavaScript, PHP, MySQL)  
\* Web app for browsing cosmetics with filters.  
\* Includes user authentication and product reviews.

## 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 Enterprise - Honorary Member** Aug. 2024 – present  
**ENSI Junior Enterprise - Operation Mission Leader** Aug. 2023 – Aug. 2024