Amir Chaieb

2nd Year Embedded Systems Engineering Student

Tunisia | amirrchaieb@gmail.com | +21629506403 | Linkedin : Amir Chaieb

Profil

Full of energy, ready to invest myself in a new opportunity. Eager to acquire a broad knowledge in computer science and embedded systems, and to better handle programmable boards.

Education

National School of Electronics and Telecommunication of Sfax, Embedded System Engineering   2023 – Present

- **Coursework:** IoT, Artificial Intelligence, C/C++, Java, Microcontrollers and Microprocessors, Wireless Communication, Mobile and Web development

Preparatory Institute for Engineering Studies of Sfax, Preparatory Classes for Engineering Studies – Technology   2021 – 2023

- **Coursework:** Mathematics, Physics

Experience

Web développer Intern, Prestacode – Sfax, Tunisia   June 2024 – july 2024

During my internship at Prestacode, I worked on full-stack web development using Angular for the front end and Spring Boot for the back end. I contributed to designing and implementing dynamic user interfaces, developing RESTful APIs, and optimizing database interactions. This experience enhanced my skills in web technologies and agile development practices, while also improving my ability to collaborate effectively within a team.

Projects

Secure Bottle Counting System – Mini Project

- This project involved designing and implementing a secure system for counting bottles using embedded C programming and a microcontroller. The system ensured accurate bottle counting and incorporated security features to prevent tampering. I used ISIS simulation software for the design and validation of the system, ensuring precision and reliability.
- Tools Used: Embedded C, Microcontroller, ISIS.

Training Management Web Platform – Project

- I developed a web platform for a training center to manage and organize courses, trainers, and participants. The platform was built using Angular for the front-end interface, Spring Boot for the back-end services, and MySQL for database management. The system enabled efficient handling of training schedules, participant registration, and performance tracking, streamlining the administrative process for the center.
- Tools Used: Angular, Spring Boot, MySQL.

Smart Agricultural Monitoring and Management System – End-of-Year Project

- I developed a web platform for a training center to manage and organize courses, trainers, and participants. The platform was built using Angular for the front-end interface, Spring Boot for the back-end services, and MySQL for database management. The system enabled efficient handling of training schedules, participant registration, and performance tracking, streamlining the administrative process for the center.
- Tools Used: ESP32, LORA shield v1.4 Angular, FLASK, Python, C/C++, firebase.

Technologies

Languages: C++, C, Java, Embedded C, JavaScript, TypeScript, Python, VHDL, SQL.

Software: MatLab, LabView, SolidWorks, AutoCad, Figma, ISIS, ModelSIM, Altium.

Frameworks: Angular, Flutter, SpringBoot, nodeJS.

Databases: MYSQL, MongoDB, Firebase real-time database.

Embedded Electronics: ESP32, STM32, Arduino UNO, Raspberry Pi.

community life

- **TPL Club Enetcom**: President   2024 – 2025

Additional Informations

- **Languages**: Arabic (Native), English (B2), Frensh (Good Level)

- **Interest**: Robotics, New Technologies, Web and Mobile Development