Israa Boulaares

Final-Year Engineering Student in Computer Science

israa.boulaares@esprit.tn | +216 53 721 027 | Github: Israa Boulaares | Linkedin: Israa Boulaares

Education

Engineering Degree in Computer Science — Sept. 2021 – Present
ESPRIT

Skills

- **Back-end & API:** Python, Django, Flask, Laravel, Java, Spring Boot, PHP, Symfony, Node.js
- **Front-end & UI/UX:** React, Angular, HTML5, CSS3, Sass, TailwindCSS, Bootstrap
- **Programming Languages & Frameworks:** C, C++, JavaScript, JavaFX, Qt, SDL
- **Databases & Cloud:** MongoDB, MySQL, PostgreSQL, H2, Neo4j
- **DevOps, CI/CD & Tools:** Git, Linux, Bash, Docker, Vagrant, Jenkins, Prometheus, Grafana, SonarQube, Nexus
- **AI/ML & Architecture:** Machine Learning, Microservices

Professional Experience

AI and E-Health Intern — Hope Horizon World (AI & E-Health) — Jul.–Aug. 2025
– Contributed to the development of a medical AI platform to automate clinical documentation and enhance diagnostic workflows.
– **Technologies:** Python, NLP, Generative AI, Flask, MongoDB, Data Science

Full Stack Developer Intern — Elite Council Consulting — Feb.–Apr. 2025
– Developed an AI-driven career coaching platform for Alexander Academy to generate ATS-friendly CVs and cover letters.
– **Technologies:** React.js, Flask, Python, Git

Software Development Intern — ESPRIT (Company Immersion Internship) — Jun.–Jul. 2024
– Migrated a legacy school management system to a modern full-web architecture.
– **Technologies:** Symfony, Oracle, PHP

Projects

LMS Data Integration for Personalized Learning — Jan.–Apr. 2025
– Built a personalized e-learning platform recommending courses based on user level by integrating data from GitHub, Moodle, and Google Classroom.
– **Technologies:** React.js, Node.js, Express.js, MongoDB, REST APIs, GitHub API, Google Classroom API, Moodle Integration

DevOps Dashboard & CI/CD Pipeline — Dec. 2024 – Feb. 2025
– Developed a robust DevOps environment to manage CI/CD workflows, enforce code quality, and monitor deployed applications.
– **Technologies:** Jenkins, Docker, Nexus, SonarQube, Prometheus, Grafana, CI/CD

AI & E-Health Platform for Clinical Automation — Jul.–Aug. 2025
– Designed an AI-powered medical assistant platform automating clinical documentation and improving diagnostic efficiency.
– **Technologies:** Python, Flask, MongoDB, NLP, Generative AI, OpenAI, Data Science

School Management System Migration — Jun.–Jul. 2024
– Migrated a traditional school management system to a full web-based architecture.
– **Technologies:** Symfony, PHP, Oracle, HTML, CSS, JavaScript

Innovative Health App — FitFusion — Mar.–May 2024
– Designed and developed a cross-platform health application for managing wellness routines.
– **Technologies:** Symfony 5, JavaFX, FlutterFlow, MySQL, HTML, CSS

Associations

Enactus INSAT — Media Manager — 2023 – 2024
- Led sponsorship initiatives for the Wellness Innovation Bootcamp.
- Managed media and communication strategies to enhance project visibility.

Futura Club — Active Member — 2021 – 2023

Languages

Arabic (Native) | French (C1) | English (C1) | Spanish (Basic Knowledge)