AYA BERHIL

PROFILE

Third-year student in Information and Communication Systems Engineering at the National School of Applied Sciences of El Jadida.
Seeking a final-year internship (PFE) lasting 4 to 6 months, available starting February 1.

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🔗 github.com/ayaberhil

Skills

Programming Languages

Java, Python, C, CSS, HTML, Java script.

Development Frameworks

SpringBoot, Angular, React Js, React Native, Flutter, Arduino.

Databases

MySQL, PostegreSQL, MongoDB, FireBase,

Simulation Tools | IDE

Android Studio, VirtualBox, IntelliJ IDEA, Visual Studio Code, Arduino IDE.

Certifications

AWS Academy Engineering Operations Technicians

AWS Academy Cloud Security Foundations

Salesforce Certified AI Associate

Cisco - Introduction to Cybersecurity

Cisco - Python Essentials 1

Cisco - Introduction to Internet of Things

Portfolio :

French ▬▬▬ 100 % English ▬▬▬ 100 %

Education

National School of Applied Sciences | El Jadida
2022 - 2025

Engineering Cycle, 3rd Year in Information and Communication Systems.

National School of Applied Sciences | El Jadida
2020 - 2022

Integrated Preparatory Cycle.

High School IHSANE | El Jadida
2017 - 2020

Mathematics Sciences Baccalaureate (Option A).

Professional Experience

One-month internship at Capgemini TS Morocco
July 10, 2024 – August 15, 2024

- Development of a web application "Digicamp Monitoring" for HR and internal project management.
- Technologies: Java (Spring Boot) for back-end, Angular for front-end, MySQL for database.
- Agile methodology: Sprint planning and task management using Scrum.
- CRUD features implementation for managing projects and collaborators, plus automatic newsletter generation.
- Secure authentication and role-based access control using Spring Security.

One-month internship at Office Régional de Mise en Valeur Agricole des Doukkala (ORMVAD)
July 14, 2023 – August 14, 2023

- Administration and configuration of the Zabbix monitoring tool.
- Functional study of the project, including requirements analysis.
- Technical study of adopted software and hardware architectures.
- Configuration and testing in a Linux environment.
- Monitoring and management of IT systems.

Academic Projects

End-of-Year Project : Optimization of Agricultural Irrigation using Arduino IoT Cloud

- Use of Arduino IoT Cloud to optimize water usage and improve agricultural production.
- Practical experience in sustainable development and social responsibility.
- Exploration of new technologies and techniques in the field of IoT (Internet of Things).

Class Project : Design and Development of a Web Application for Restaurant Localization

- Design and development of a Web Application for Restaurant Localization.
- Features: Management of cities, zones, specialties, and restaurant chains for administrators; registration, restaurant creation, and photo management for restaurant owners.