



Mohamed AIT FARES

Student in software engineering
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Portfolio

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GitHub Profil

LinkedIn Profil

EDUCATION

- **National Institute of Statistics and Applied Economics, Rabat** 2021-present
Data and Software engineering degree, expected graduation in 2024. 3rd year
- **CPGE Ibn Timiya, Marrakech** 2019-2021
Preparatory classes for engineering schools, MP option
- **Institut Lamrani, Marrakech** Completed in 2019
Baccalaureat's degree in Mathematical Sciences, French option

EXPERIENCES

- **Heidelberg Materials - Ciments du Maroc** June 2023 - August 2023
Applied internship Casablanca
 - Engineered solutions for various internal projects, leveraging PowerApps, PowerAutomate, SharePoint, Java, Selenium, and GitHub.
 - Collaborated with cross-functional teams to enhance data workflows and optimize business processes.
 - Implemented efficient algorithms for data processing and contributed to the development of software solutions.
 - Utilized Postman for API testing.
- **HTC - home travaux creation** July 2022 - August 2022
Discovery internship Marrakech
 - Engaged in full-stack web development projects, gaining hands-on experience with HTML, CSS, JavaScript, Bootstrap, and content management systems (CMS).
 - Developed and maintained database-driven applications, ensuring seamless user experiences.
 - Collaborated with UX/UI designers to implement responsive and visually appealing web interfaces.
 - Applied SCRUM methodology for project management.

PROJECTS

- **Web application for generating online forms** 2022
Online survey with an integrated sentiment analysis tool for management and processing of feedback.
 - Tools and technologies used: React, Spring Boot, Python, Bootstrap, PostgreSQL, UML...
 - Led the end-to-end development of a React.js and Spring Boot-based web application.
 - Implemented features for creating and customizing online forms, integrating real-time feedback processing.
 - Utilized Python for sentiment analysis, ensuring actionable insights from collected data.
 - Applied UML for system design.
- **Speed radar** 2022
A speed radar using an embedded system and various IoT solutions to manage road traffic.
 - Tools and technologies used: Arduino, Python, MySQL, Docker...
 - Designed and implemented a speed radar system using Arduino, Python, and MySQL.
 - Integrated IoT solutions for real-time data collection and processing.
 - Developed algorithms to calculate and display accurate speed information, contributing to road traffic management.
 - Leveraged Docker for containerization.
- **Android application for the management of images and data** 2023
Management, automation, and processing of images and data, with the integration of Microsoft development tools
 - Tools and technologies used: Android Studio, Java, PowerAutomate, Github, Selenium...
 - Spearheaded the development of an Android application using Android Studio, Java, and integrated Microsoft development tools.
 - Engineered a scalable architecture for managing and automating image processing tasks.
 - Implemented secure data transmission between the mobile application and the designated SharePoint site.
 - Utilized Selenium for automated testing.

THE TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, C/C++, PHP, Prolog, Html, CSS...

Developer Tools: Docker, Visual Studio Code, PowerApps, PowerAutomate, LaTeX...

Frameworks: Spring, Spring-boot , React.js, Django, Bootstrap, Vue.js, Node.js...

Cloud/Databases: PostgreSQL, MySQL, Firebase, Cloud services for scalability and resilience...

Testing: Selenium, Jest, API Testing with Postman...

ORM & Design: Hibernate, Unified Modeling Language (UML) diagrams...

Collaboration & Version Control: Proven ability to collaborate with cross-functional teams, GitHub, Agile Methodologie(SCRUM)...

Soft Skills: Problem-solving, Adaptability, Creativity, Teamwork, Effective communication, and Strong teamwork...

Langages: Arabic: mother tongue, French: bilingual(Native proficiency), English: Advanced

INTERESTS

Hobbies: Sport, Chess, Reading

Qualities: Team Spirit, Autonomy, Sense of Responsibility, Organizational Skills, Analytical and Synthesis Skills, Discipline...