



ABDERRAHMANE ABDELOUAFI

TECH TINKERER – SOFTWARE & WEB DEVELOPER

CONTACT



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EDUCATION

ALX Program

Remote & Tech Hub

Casablanca

2025 - Present

Digital Technologies Architect

1337 IT School - UM6P

Benguerir Campus

2022 - 2024

Baccalaureus in Electrical and Technology Sciences

Tassaout High School

Kelaa Sraghna

2021 - 2022

EXPERTISE

Programming Lang: C, C++

Robotics: PCB design, Arduino, ESP32

Database Tech: MySQL

Web Dev: HTML, CSS, JS, PHP

Dev OPS: Docker, Docker-Compose

Others: SHELL, APACHE, NGINX, GIT

SOFT SKILLS

- Collaboration
- Adaptability
- Team Work
- Time Management
- Eager Learner
- Problem Solving

LANGUAGES

- Arabic Native
- English Conversational
- French Intermediate

PROFILE

Tech Tinkerer with a solid background in both **software** and **hardware** development. Proficient in designing **electronic circuits**, **robotics**, and **smart systems** that seamlessly integrate with **web platforms**. Passionate about crafting efficient, scalable, and user focused solutions by merging creativity with technical expertise. Committed to continuous learning and delivering innovative solutions that have a meaningful impact in real world **innovations**.

PROJECTS

CredlyMan

Dec 3, 2024 - Present

- A secure local hosted web platform for managing credentials and passwords.
- Ensuring all sensitive information stays stored securely, privately, and accessible only to the user through their own machine.

Portfolio Website

May 24, 2024

- Developed a personal portfolio website to highlight skills, projects, and achievements.
- Fully responsive clean layout, ensuring an excellent User Experience.
- Integrated a functional contact form to facilitate direct communication.

Smart Door Lock

May 24, 2023

- Built an advanced smart access control system based on Arduino, ESP8266, and RFID technology.
- Implemented a secure storage of user IDs in system memory, ensuring data persistence even during power interruptions.
- Empower master user with full control to add or remove authorized users.
- Developed a web platform to log and monitor all user activity.

EXPERIENCE

Local Domotic Competition - 3rd Edition

May 26 -28, 2023

Secured 3rd place in the **LDC - 3rd Edition**, held at **UM6P**. The challenge was to design and develop a **Smart Prison**. Through teamwork, we created an innovative and sustainable solution that incorporates digital automation to improve efficiency, security, and management within the facility.

Youth Tech Competition Africa - 1st Edition

Feb – Aug, 2024

Contributed significantly to the **YTCA**, supporting its three main phases:

- **Pre-Selection Phase:** Designed and implemented a program to evaluate **100** Moroccan participants, selecting **12** for the next phase based on their skills.
- **Formation Phase:** Partnered with the **1337 Robotic Club** and **GTI Department** to deliver theoretical training in engineering science, along with hands-on workshops on **3D printing**, **electronics**, **Arduino**, **ESP32**, and **Raspberry Pi**.
- **Competition Phase:** Provided technical support and mentoring to **27** participants from **Morocco** and **Cameroon**, guiding them and ensuring smooth projects development and effective collaboration.