ABDERRAHMANE ABDELOUAFI
TECH TINKERER – SOFTWARE & WEB DEVELOPER

CONTACT

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EDUCATION

Professional Foundation – Frontend
ALX Program
Remote & Tech Hub Casa   2025 – Present

Digital Technologies Architect
1337 IT School - UM6P
Benguerir Campus   2022 – Dec 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

- Designing and developing a **secure web platform** for **managing** user **credentials**, **addresses**, **payment methods**, and for keeping **secret notes**.
- 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 my **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** using **Arduino**, **ESP8266**, and **RFID technology** for **LEETMAKERS**, the **Robotic Club** of **1337 IT School**.
- 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.