

HENNI AMINA

Software Developer

Birth Date : 15 October 2004 in Algeria - Tlemcen - Maghnia

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PROFILE

Recent Computer Science graduate with a strong passion for mobile app development, dynamic web applications, and embedded systems. I also specialize in UX/UI design, creating intuitive and aesthetically pleasing user interfaces. Curious, rigorous, and autonomous, I am capable of managing technical projects from concept to implementation. I have successfully led projects, demonstrating strong leadership and teamwork skills. My academic and personal projects have helped me develop solid skills in software development, interface design, and embedded electronics.

EDUCATION

Baccalauréat Mathématiques Lycée Mofdi Zakaria, Maghnia Tlemcen Algérie	2022
Bachelor’s degree in Computer Science (completed) université Abou Bekr Belkaid , Tlemcen , Algeria	2025

PROJECTS

Embedded System with Mobile Application – “AquaProtect” Developed a portable water quality monitoring system using ESP32, connected to a Flutter mobile app for real-time analysis of TDS, turbidity, and harmful gases.	2025
<ul style="list-style-type: none">Displayed results on an OLED screen and transmitted data via Bluetooth Low Energy (BLE)Used sensors: MQ-9, MQ-135, and moreIntegrated GPS for geolocation of testsMobile app built with Flutter, connected to a Supabase backendImplemented test history tracking by location and type (custom or full)Integrated Stripe for subscription-based payments via Supabase Edge FunctionsGoal: Raise awareness about water pollution and provide an accessible, portable testing solution	

TECHNICAL SKILLS

- Languages: Python, Java, C, C++, HTML/CSS, JavaScript
- Frameworks & Tools: React, Node.js, Flutter, Git, Docker, SQL
- Operating Systems: Windows, Linux
- Others: Arduino, ESP32, Firebase, Supabase

ADDITIONAL INFORMATION

- **Languages:** Arabic (native), English, French
- **Certificates:** Python Programming – HackerRank, 2024
Java Programming – Great Learning, 2024