

# MOHAMED AMIN GANA

*Future IoT Engineer*

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🌐 [mohamedamin123.github.io/Portfolio](https://mohamedamin123.github.io/Portfolio)

## Profile

Currently an IoT engineering student, I am seeking to join an innovative company as an intern where I can apply my skills in software development, embedded systems, artificial intelligence, and cloud technologies to real-world, impactful projects.

## Technical Skills

- **Programming Languages:** Java, C, Python, SQL, XML, Arduino
- **Web:** HTML/CSS, JavaScript, Angular, Spring Boot
- **Mobile:** Android (Java), React Native
- **Databases:** MySQL, Oracle SQL
- **IoT/OS:** Arduino, ESP32, Raspberry Pi, Linux, Windows
- **Cloud/AI:** Firebase, Machine Learning (ML), Deep Learning (DL)
- **Modeling/Methodologies:** UML2, MVC
- **Tools:** Git, GitHub, Postman, VS Code, IntelliJ, StarUML, Arduino IDE

## Education

**Engineering Degree in Computer Science (IoT)** – EPI Digital School, Sousse · 2023–Present

**Applied Bachelor's Degree in Computer Technology** – ISET Sousse · 2020–2023 · *Graduated with Honors (Good)*

**Technical Baccalaureate** – Lycée de Moknine · 2019–2020 · *Graduated with Honors (Fairly Good)*

## Experience

**Freelance – Mobile Developer** – Teboulba · 07–08/2024

- Developed an Android application for equipment management using Firebase

**Personal Project – Mobile Development** – Moknine · 06–07/2024

- Created an Android app for managing clothing items and clients, including stock tracking and history using Firebase

**Final Internship – ISET Sousse** · 02–06/2023

- Built a web and mobile application for housing and event rentals
- Used Android, Angular, Spring Boot, and MySQL

**Advanced Internship – TTF Té Boulba** · 02–06/2022

- Developed a desktop application for stock management

## Projects

- **Smart IoT Crib:** Features motion and sound detection, notifications, and baby cry classification using **React Native**, **Express.js**, **Python**, and **AI**; controls the crib using sensors and actuators.
- **Medical Management App:** A desktop app built with **JavaFX** and **Spring Boot** to manage appointments, patients, and secretaries; includes authentication, dynamic tables, filters, and statistics using a **REST API** and **MySQL**.
- **Online Store:** E-commerce web app developed in **Angular**, with product catalog, shopping cart, and admin interface.
- **Online Marketplace:** Developed a **PHP**-based application enabling individuals to buy and sell products online.

## Certifications

- Cisco CCNA 1 & 2 – 2024 (*Cisco Networking Academy*)
- Fundamentals of Deep Learning – 2025 (*NVIDIA Deep Learning Institute*)

## Languages

Arabic (Native), French (Intermediate – B1), English (Intermediate – B1)