

Mohamed Hassen Benadel

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Education

ESPRIT: Private Higher School of Engineering and Technology

Third year engineering student in Ambient and Mobile Embedded Systems and Software

September 2021 - Present

Tunis, Tunisia

ISTIC: The Higher Institute of Information Technologies and Communication

Bachelor Degree in Computer Science

September 2018 – June 2021

Tunis, Tunisia

Skills

- **Programming:** Python, C, C++, C#, Java, JavaScript, PHP, HTML, CSS, PL/SQL, Shell Scripting
- **Frameworks:** Angular, Spring boot, .NET, Symfony
- **Operating Systems:** Linux (Ubuntu, Kali, CentOS), Windows
- **Tools:** Docker, Git, Gradle, Maven, Jenkins
- **Hardware:** Arduino, ESP32, STM32, Raspberry pi
- **Software:** STM32CubeIDE, Proteus, Arduino IDE, Android Studio, Visual Studio, IntelliJ

Professional Experience

TELNET

February 2024 - August 2024

End-of-Studies Software Engineering Intern

Lac 1 , Tunis

- Developing and integrating an IoT solution for a smart soilless agriculture system.
- Designing and developing a web application for real-time monitoring and control of the agriculture system.

Keyword: Angular- Spring boot - Spring Security- Raspberry Pi - ESP32 - MQTT - Node-RED

Badiaa

July 2023 - September 2023

Software Developer Intern

El Mourouj 6 , Tunisia

- Designing and developing a mobile application specified for the order placement process.
- Creating a desktop application for inventory management.

Keyword: Spring Boot - Android - .Net - PostgreSQL

SagemCom

February 2021 - June 2021

Full stack Developer Intern

Ezzahra, Tunisia

- Developing a web-based shipment management application integrated with SAPME.
- Using Symfony for the backend development.
- Implementing user authentication through Active Directory technology.

Keyword: Web development - Symfony - PHP - XML - SOAP - SAPME - Active Directory

National Computing Center

July 2020 - August 2020

Java Developer Intern

Tunis, Tunisia

- Data migration from Oracle to PostgreSQL using JAVA.

Keyword: Oracle - PostgreSQL - Java

Academic projects

SmartAquaWatcher:

- Developing an IOT solution for water quality control and monitoring.
- Developing an Android application for a real time data visualization.

Keyword: ESP32, MQTT, Node.js, Raspberry Pi 3, Android, Spring Boot

Languages

Arabic: Native **French:** Intermediate **English:** Intermediate **Spanish:** Beginner

Interests

Game development: Participated in global game jam 2020