

# Mohamed Hassen Benadel

Software Engineer

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## Education

- **Engineering Degree in Computer Science** September 2021 – October 2024  
ESPRIT : Private Higher School of Engineering and Technology El Ghazela , Tunisia
- **Bachelor Degree in Computer Science** September 2018 – June 2021  
ISTIC : The Higher Institute of Information Technologies and Communication Borj Cedria , Tunisia

## Professional experience

- **Telnet Holding** February 2024 – August 2024  
**End of studies Internship : Control Hub for Smart Agriculture** Lac1 , Tunisia
  - Developed a web application for real-time visualization and remote control.
  - Established live streaming for disease detection using an embedded camera.
  - Built an embedded system for plant monitoring.
  - Implemented OTA (Over-The-Air) updates for remote firmware management.**Key words:** Angular , Spring Boot , Spring Security , Flask , Node-RED
- **Badiaa** July 2023 – September 2023  
**Software Development Intern** Mourouj 6 , Tunisia
  - Developed the order placement feature in a mobile application.
  - Created a desktop application for managing inventory.**Key words:** Spring Boot , .NET , Android , PostgreSQL
- **Sagemcom** February 2021 – June 2021  
**Full Stack Developer Intern** Ezzahra , Tunisia
  - Designed and developed a web-based shipment management application integrated with the SAP ME information system using SOAP microservices.
  - Implemented user authentication through Active Directory technology.**Key words:** Symfony , SOAP , Active Directory , HTML , CSS , Bootstrap , JavaScript , MySQL

## Academic projects

- **Italian Dream** September 2024 - Present  
**Web application for a study abroad support agency.**
  - Built a responsive website for the agency to showcase their services.
  - Designed and developed the client portal for document and payment tracking.**Key words:** Angular , Spring Boot
- **SmartAquaWatcher** December 2022 - April 2023  
**Water Quality Control Hub**
  - Built an IOT solution for water quality control and monitoring.
  - Created an Android application for real-time data visualization.**Key words:** Android , Spring Boot , Node.js , MQTT , Raspberry pi , Esp32

## Skills

**Programming languages :** Java , Python , C# , HTML , CSS , JavaScript , TypeScript , PHP ,SQL  
**Frameworks :** Angular , Spring Boot , Bootstrap , Symfony , .NET , JavaFx  
**Tools :** Git , Gradle , Maven , Jenkins , Junit , SonarQube , Docker , Nexus  
**Database Management :** PostgreSQL , MySQL , Oracle  
**Software :** Visual Studio , IntelliJ , Eclipse , Netbeans , Android Studio , Postman  
**Modeling:** UML

## Certificates

- **NVIDIA Deep Learning Institute Certificate,**  
Course : Applications of AI for Anomaly Detection Date awarded : 10 November 2023

## Languages

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