



Fathi Maddeh

I am a 5th-year Software Engineering student at the Private Higher School of Engineering and Technology (ESPRIT), passionate about DevOps, cloud technologies, and AI development. Actively seeking a 4–6 month end-of-studies internship to apply my skills in cloud deployment, CI/CD pipelines, containerization, scalable application development, and AI-driven solutions, contributing to innovative and high-impact projects.

EXPERIENCES

 [My Github](#) |  [My LinkedIn](#) |  fathi.maddeh.it@gmail.com

OMMP

Tunis(06/2025-08/2025)

Full-Stack AI Intern – Smart Equipment Monitoring & Analytics

- Developed an equipment management platform by utilizing Spring boot & angular for tracking, assigning, and reporting IT hardware.
- Integrated ML models (Python, scikit-learn) to analyze incidents and predict equipment failures with 85% accuracy, reducing downtime by 30%.
- Automated incident tracking workflows by implementing scheduled tasks & notification systems (via email/SMS).

ESPRIT

Tunis(06/2024-08/2024)

Full-Stack Intern – Automated Class Council Platform

- Deployed a digitalized class council platform using Spring Boot and Angular, containerized with Docker and orchestrated via Kubernetes, with Jenkins CI/CD for automation.
- Enabled real-time meetings by utilizing WebSocket and WebRTC technologies, improving communication and decision-making efficiency.
- Automated tracking of decisions and observations secured with jwt authentication & role-based access, ensuring accuracy and transparency.

EDUTEST

Tunis(06/2023- 07/2022)

Odoo Developer – Customized Odoo Solutions for EdTech

- Designed, developed, and customized Odoo modules to meet Edutest's specific needs in digital education
- Ensured seamless integration of the solution into business processes.
- Supported an innovative startup in optimizing its digital education workflows.

BH-BANK

Tunis(06/2022-08/2022)

IT Support Intern

- Managed and maintained IT hardware and software systems.
- Ensured reliable and efficient IT services through proactive maintenance.
- Provided support for workstations and equipment to ensure smooth operations.

PROJECTS

SmartConstruction Management Platform | Spring Boot, Angular, Microservices, MySQL, ML/AI, Docker & Kubernetes 2024-2025

- Developed and deployed a comprehensive web platform to manage 20+ construction projects, including task tracking and admin workflows, using Docker and Kubernetes, improving team productivity by 30%.
- Integrated AI features for budget estimation, chatbot assistance, and facial recognition login, enhancing operational efficiency and security
- Enabled 3D house personalization and predictive analytics for smarter planning.

Bank Fraud Detection | Python, Scikit-learn, Tensorflow, Predictive Analytics

2024-2025

- Developed and deployed machine learning models using (scikit-learn, TensorFlow) to detect and prevent fraudulent banking transactions.
- Conducted data analysis with SQL and Pandas to uncover patterns, anomalies, and risk indicators associated with fraud attempts.
- Enhanced fraud prevention systems by integrating predictive analytics, reducing potential losses and improving detection accuracy.

Smart Gym Platform |JavaFX, Symfony, MySQL

2023-2024

- Used JavaFX to provide dynamic routines, increasing user adherence to workouts by 40%.
- Implemented Symfony & MySQL to automate subscriptions and attendance tracking, reducing administrative workload by 50%.
- Integrated live dashboards, improving user engagement and progress tracking

EDUCATION

Private Higher School of Engineering and Technology (ESPRIT)

2026

Bachelor of Engineering in Software Engineering(3-time major promotion)

Beb Lkhadra High School

2021

Baccalaureate Diploma in Mathematics (14.86)

LANGUAGES

French : Fluent English : Fluent (C1) Arabic : Native

CERTIFICATION

- ❖ Oracle Cloud Infrastructure 2025 Certified Data Science Professional
- ❖ Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
- ❖ CCNA: Switching, Routing, and Wireless Essentials
- ❖ EF SET English Certificate 64/100 (C1 Advanced)

TECHNICAL SKILLS

- ❖ **Languages** Java,Python, PHP, Arduino, JavaScript, TypeScript , SQL
- ❖ **Frameworks:** Angular,JavaFx, Spring Boot, Symfony, Flask, .NET, Streamlit ,Qt
- ❖ **Developer Tools:** Git,GitHub, Postman, Docker, Visual Studio, VS Code, IntelliJ
- ❖ **Libraries:** SpringCloud,Entity Framework, Angular Libraries , Bootstrap
- ❖ **Databases:** MySQL,MongoDB, Firebase
- ❖ **Surveillance et Automatisation :** Grafana,Prometheus,jenkins,ansible,bash
- ❖ **Architecture:** RESTAPIs, Microservices, Agile/Scrum, MVC