Fathi Maddeh

I am a 5th-year Software Engineering student atthe Private HigherSchool 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.

 My Github| My LinkedIn| fathi.maddeh.it@gmail.com| Portfolio

EXPERIENCES

OMMP — Tunis(06/2025-08/2025)
Full-Stack AI Intern – Smart Equipment Monitoring & Analytics
- Developed an equipment management platform by utilizing Springboot & 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(06/2025-_08/2025_)
Full Stack Intern – Automated Class Council Platform
- Deployed a digitalized class council platform using SpringBoot 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 authentification & role-based access ,ensuring accuracy and transparency.

EDUTEST — Tunis(06/2024-_07/2024_)
Odoo Developper – 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 andmaintained 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, Tenserflow, 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 attemp ts.
- Enhanced fraud prevention systems by integrating predictive analytics, reducing potential losses and improving detection accuracy.

Smart Gym Platform |JavaFX, Symfony, MySQL **2023-2024**
- UsedJavaFX 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)
Bachelor of Engineering in Software Engineering(3-time major promotion) **2026**

Beb Lkhadra High School
Baccalaureate Diploma in Mathematics (14.86) **2021**

LANGUAGES

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

CERTIFICATIONS

- Oracle Cloud Infrastructure 2025 Certified Data Science Professional **2025**
- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional **2025**
- EF SET English Certificate 64/100 (C1 Advanced) **2025**
- CCNA: Switching, Routing, and Wireless Essential **2024**

TECHNICAL SKILLS

- **Languages** Java,Python,PHP,Arduino, JavaScript, TypeScript , SQL
- **Frameworks:** Angular,JavaFx,Spring Boot, Symfony, Flask, .NET, Streamlit ,Qt,TensorFlow, PyTorch, Scikit-learn, Keras,
- **Developer Tools:** Git,GitHub,Postman, Docker, Visual Studio, VS Code, Intellij ,Jupyter Notebook, Google Colab
- **Libraries:** SpringCloud,EntityFramework, Angular Libraries , Bootstrap, NumPy, Pandas
- **DataBases**: MySQL,MongoDB, Firebase
- **Surveillance et Automatisation :** Grafana,Prometheus,jenkins,ansible,bash
- **Architecture:** RESTAPIs,Microservices, Agile/Scrum, MVC