

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.

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

EXPERIENCES

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|--|--------------------------|
| OMMP | Tunis(06/2025-08/2025) |
| Full-Stack AI Intern – Smart Equipment Monitoring & Analytics | |
| <ul style="list-style-type: none">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(06/2024-08/2024) |
| Full-Stack Intern – Automated Class Council Platform | |
| <ul style="list-style-type: none">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 authentication & role-based access, ensuring accuracy and transparency. | |
| EDUTEST | Tunis(06/2023- 07/2022) |
| Odoo Developer – Customized Odoo Solutions for EdTech | |
| <ul style="list-style-type: none">Designed, developed, and customized Odoo modules to meet Edutest's specific needs in digital educationEnsured 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 | |
| <ul style="list-style-type: none">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

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| Smart Construction Management Platform Spring Boot, Angular, Microservices, MySQL, ML/AI, Docker & Kubernetes | 2024-2025 |
| <ul style="list-style-type: none">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 securityEnabled 3D house personalization and predictive analytics for smarter planning. | |
| Bank Fraud Detection Python, Scikit-learn, Tensorflow, Predictive Analytics | 2024-2025 |
| <ul style="list-style-type: none">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 |
| <ul style="list-style-type: none">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

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| 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

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|------------------------|------------------------------|------------------------|---|------|
| French : Fluent | English : Fluent (C1) | Arabic : Native | ❖ Oracle Cloud Infrastructure 2025 Certified Data Science Professional | 2025 |
| | | | ❖ Oracle Cloud Infrastructure 2025 Certified Generative AI Professional | 2025 |

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| | | | ❖ 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
- ❖ **Developer Tools**: Git, GitHub, Postman, Docker, Visual Studio, VS Code, IntelliJ
- ❖ **Libraries**: SpringCloud, EntityFramework, Angular Libraries, Bootstrap
- ❖ **DataBases**: MySQL, MongoDB, Firebase
- ❖ **Surveillance et Automatisation** : Grafana, Prometheus, Jenkins, Ansible, Bash
- ❖ **Architecture**: REST APIs, Microservices, Agile/Scrum, MVC