

Takwa Hafyen

Software Engineer

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 Mahdia,Tunisia

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EDUCATION

Engineering diploma in Networking and communication - ENIG

Specialization: Network and Computer Systems – Graduated with High Honors

09/2022 – 07/2025

Gabès

Preparatory cycle for Engineering studies - IPEIM

06/2022

Monastir

Bachelor degree in experimental sciences

Graduated with honors (16.43/20)

09/2019 – 07/2020

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PROFESSIONAL EXPERIENCE

End-of-Studies Internship - Draexlmaier Group El Jem

02/2025 – 06/2025

- A Smart application which integrates AI models to predict lessons learned based on positions, as well as an AI model for error recognition and solution prediction — enhancing automation and knowledge management efficiency.
- **Technologies:** Microsoft PowerApps, Sharepoint, Python, KNN, Random Forest model, Gradio, HuggingFace

Engineer Internship - Tradrly

07/2024 – 09/2024

- A responsive online sales and order management application leveraging AI regression models for demand prediction, enhancing inventory management.
- **Technologies:** Node.js, React, MongoDB, TensorFlow, Python, Scikit-Learn, Pandas, Numpy

PROJECTS

Clinic Management Website

- Developed a comprehensive full-stack application to manage clinic operations, including appointment scheduling, patient data management, and doctor schedules.
- Collaborated in a Scrum team to plan and implement user-centered features, ensuring efficient task allocation, and sprint goals.
- **Technologies:** React, Node.js, MongoDB, Scrum

Cyber threat detection using Artificial Intelligence

- Developed an AI-driven system for cyberattack detection and classification
- **Technologies:** Python, TensorFlow, Scikit-learn, Pandas, NumPy, Data Preprocessing

CERTIFICATES

- Microsoft Azure fundamentals 
 - Microsoft Azure AI fundamentals 
 - Scrum Fundamentals Certified 
- DELF B2 

SKILLS

Development & Tools

C#, .NET (Core, ML.NET), React.js, Node.js, Java, Spring Boot, RESTful APIs, Entity Framework

Collaboration Tools

Jira, Trello, Teams

Infrastructure & Environments

Kubernetes, Docker, Linux, Active directory, Microsoft Azure, Office 365

LANGUAGES

Arabe

Native language

French

B2

English

B2

ORGANIZATIONS

Member:Universe ENIG club

Ambassador : Forum ENIG 4.0

Program manager :ENIG DEV 3.0 event