

# Takwa Hafyen

## Software Engineer

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## EDUCATION

- Engineering diploma in Networking and communication - ENIG** 09/2022 – 07/2025  
Specialization: Network and Computer Systems – Graduated with High Honors Gabès
- Preparatory cycle for Engineering studies - IPEIM** 06/2022  
Monastir
- Bachelor degree in experimental sciences** 09/2019 – 07/2020  
Graduated with honors (16.43/20) ksour essef, Mahdia

## PROFESSIONAL EXPERIENCE

- End-of-Studies Internship - Draexlmaier Group El Jem** 02/2025 – 06/2025
- A Smart application wich 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**

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**Arabe**  
Native language

**French**  
B2

**English**  
B2

**ORGANIZATIONS**

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**Member:Universe ENIG club**

**Ambassador : Forum ENIG 4.o**

**Program manager :ENIG DEV 3.o event**