

GUESMI MELEK

Computer Engineering Student – Web Development | AI | DevOps – Seeking a 6-month PFE Internship

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PROFILE

Computer engineering student passionate about web development, AI, and DevOps. I enjoy working on real-world projects, learning new technologies, and collaborating with dedicated teams. I am seeking a six-month PFE internship starting January 2026 to apply my skills and contribute to high-value projects.

SKILLS

- Languages & Frameworks:** JavaScript, Java, Python, .NET, React, Angular, Next.js, Node.js, Express, Spring Boot
- Databases :** MySQL, MongoDB, PostgreSQL
- DevOps & CI/CD :** Docker, Jenkins, Kubernetes, Prometheus, Grafana, SonarQube, Nexus
- Tools & Methods:** Git, GitHub, Agile / Scrum
- Artificial Intelligence:** Machine Learning, NLP, TensorFlow, PyTorch

PROFESSIONAL EXPERIENCE

Engineering Intern – Web & ERP Solutions

DIAME, Tunis, Tunisia

June 2025 – September 2025

MERN (MongoDB, Express.js, React, Node.js), NextJS, Docker, Python

- Redesigned the company's web portal.
- Developed an intelligent ERP and deployed it via cPanel and Docker following the SCRUM methodology.

Web Developer Intern

DIAME, Tunis, Tunisia

June 2024 – August 2024

MERN (MongoDB, Express.js, React, Node.js), Docker

- Improved an existing MERN application with new interfaces and functionalities.
- Designed and developed an application for monitoring industrial processes.

Technician Intern - Final Year Project

DIAME, Tunis, Tunisia

February 2023 – June 2023

MERN (MongoDB, Express.js, React, Node.js)

- Developed a web application for service management.

ACADEMIC PROJECTS

MindScribe – Intelligent Personal Journal

September - November 2025

Django, Python, MongoDB, OpenAI API, IA (Emotion Analysis), NLTK, Pillow

- Emotion analysis, personalized recommendations, and analytics dashboard.
- Full deployment of the platform.

Git Link : [MindScribe](#)

RecruitPro – Intelligent Recruitment Platform

February – May 2025

React.js, Node.js, MongoDB, TensorFlow, Cloudinary, Google APIs, Python

- User, job offer, and application management with automated CV analysis.
- Integration of Google Calendar and Meet, and implementation of a CI/CD pipeline.

Git Link : [Recruit-Pro](#)

CI/CD Automation with Jenkins

February – May 2025

Jenkins, Docker, SonarQube, Nexus, Prometheus, Grafana, Mockito, JUnit, Maven

- Automated CI/CD pipeline: build, tests, quality analysis, containers published to Docker Hub.
- Performance monitoring with Prometheus and visualization with Grafana.

Git Link : [Link](#)

UniHub – University Platform Based on Microservices Architecture

February – May 2025

Spring Boot, Eureka, API Gateway, Docker, Docker Compose, Docker Hub

- Development of a platform using microservice architecture and integration of services through an API Gateway.

Git Link : [Link](#)

EDUCATION

National Diploma in Computer Engineering, Tunis, Tunisia.

September 2023 – Present

ESPRIT – Private School of Engineering and Technology.

Bachelor's Degree in Business Computing (Business Intelligence), Mahdia, Tunisie.

September 2020 – June 2023

Higher Institute of Computer Science of Mahdia (ISIMA)

CERTIFICATIONS

Graph Developer – Associate | *Apollo GraphQL* - April 2025

Attendance Hashgraph Developer | *The Hashgraph Association* - October 2025

AWS Academy Graduate – *AWS Academy Cloud Foundations* - November 2025

LANGUAGES

English : B2 | French : B2