

Abdelali FERHAN

Full Stack Developer



✉ ferhanabdelali@gmail.com

☎ 0770247045 📍 fes,morocco

🌐 abdelali ferhan

📄 PROFILE

Computer science engineering student at the National School of Artificial Intelligence and Digital Technology (ENIAD), with skills in front-end and back-end development.

I would like to integrate and contribute to projects to deepen my technical knowledge and skills, while actively contributing within a dynamic team.

🎓 EDUCATION

Engineering student / computer engineering

National School of Artificial Intelligence and Digital
2024 – 2027 | Berkane, Morocco

DUT in IT

Higher School of Technology in Fes 2022 [📄](#)
– 2024 | FES, Morocco

- Mention: good

Bachelor of Physical Science al-

ahd el jadid galaz high school

2021 – 2022

- Mention: very good

📁 PROFESSIONAL EXPERIENCE

Polytechnic School of Engineering

"Competence Center"

php developer

04/2024 – 06/2024 | fes

Technical internship: Design and production of web applications for trainee management (Php, bootstrap).

🧠 SKILLS

+ Front-end:

HTML5, CSS, JavaScript

Frameworks: NextJs, CSS: Bootstrap, Tailwind

+ Back-end:

Laravel, Node.js, Express.js, PHP, Flask

+ Programming:

Python, Java, C#, C++, C.

Mobile :

Dart, Flutter

+ Database:

SQL,T-SQL.

+ Database management: MySQL

Workbench, XAMPP, SQL Server,

Knowledge of computer security.

docker

Knowledge of Linux operating system commands (memory management, processes, files, users, groups)

Using conceptual models to design IT solutions:

UML, MERISE

Project Management Methodologies:

MS Project, Gantt

📁 PROJECTS

Dynamic Management and Visualization System for Microservices under Docker with Horizontal Scaling (Flask)

- This project aims to automate horizontal scaling of Docker microservices based on resource usage thresholds (RAM, CPU) while providing real-time visualization of container performance.
- Main features:
 - Real-time monitoring.
 - Dynamic Load Balancing.
 - Automatic horizontal scaling.
 - Technology stack: Flask: Backend API and metrics management.
 - Docker: Containerization and orchestration of microservices. Nginx: Load balancer for optimal traffic distribution. Docker Compose: Multi-container management for simplified deployment.
- Advanced Visualization: Integration of interactive charts to display metrics and track the status of microservices in real-time.

Features: Connection (admin/ encadran Student/) user management, Department management, Intern management, Intern archiving, Internship subject management, Supervisor management, Print internship certificate with QR code.

Geo-Tech-info

IT Intern

07/2023 – 08/2023 | fes

introductory internship within a company specializing in vehicle geolocation by GPS: creation of a website (HTML, CSS, JAVASCRIPT) + creation of a program for managing telephone numbers (JavaScript)

PFE: Development of an e-commerce web application (Laravel)

Design of an e-commerce web application that allows users to easily browse a variety of products, place orders and manage their accounts. The application offers an intuitive and attractive user interface, uses **Laravel**, **Bootstrap** and **Chart.js** for charts in the administrative dashboard, facilitating the management of inventory, orders, and customers.

E-learning platform with Laravel

Development of an e-learning platform for managing teaching and learning operations. Key features include:

- **User management:** teacher and student accounts with differentiated access rights.
- **Absence management:** students per group.
- **Teacher Space:**
 - Sharing courses and exams.
 - Publishing articles, including HTML content and images.
 - Creation of QCMs.
 - Communication with students via messaging.
- **Student Space:**
 - Communication, Submission of comments and answers to QCMs.
 - Search for courses and exams by subject.

Online Food Ordering System for Restaurant with QR Code (Laravel)

Development of a web application allowing customers to place food orders directly from their table by scanning a QR code.

- Main features:

- Customer interface with interactive menu by QR code.
- Food categories: Fast food, drinks, desserts.
- Menu management for administrators (adding, editing, deleting items).
- Dashboard for administrators with order tracking and sales statistics.

QSM creation platform

Creation of a web platform using HTML, CSS, **JavaScript**, **Express** and **Node.js**, allowing to add, modify, delete questions and their associated choices. The user can select the correct answer from the choices offered.

LANGUAGES

Arab

(Maternal)

French

(fluent)

English

(intermediate)