

Mohamed Aymen Mezghani

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● WORK EXPERIENCE

 PIVA SOFTWARE – SFAX, TUNISIA

WEB APPLICATION DEVELOPER – 03/02/2025 – 30/06/2025

Title: Development of an Innovative HR Application Integration an Intelligent Web Scraping Tool

- Development of a web application for **human resources** management integrating an **intelligent web data extraction tool**
- Integration of **Keycloak** to manage authentication and authorization based on user roles, secured via **JWT**.
- Automation of human resources management processes.
- Development of an intelligent module for the automatic extraction of relevant data from targeted websites, including source **legality verification, data structuring, and exporting**.
- **Deployed** the project using **Docker containers**, following a **microservices architecture** to ensure modularity, scalability, and ease of maintenance.

Tech: Next.js, Spring Boot, Keycloak, MongoDB, AI, Python, Docker, Tailwind CSS

 SOCIÉTÉ DE MULTIMEDIA ET DEVELOPPEMENT INFORMATIQUE – SFAX, TUNISIA

WEB DEVELOPMENT – 07/2024 – 10/2024

Title: Development of a web application for a Content Management System

- Implemented a **Content Management System (CMS)** for administrators, allowing easy management of website content and navigation items.
- Developed robust user and admin **authentication systems**, ensuring secure **access and role-based permissions** using **Laravel's** built-in functionalities.
- Create the admin **dashboard** with intuitive interfaces for seamless content updates and management

Tech: Laravel, jQuery, ajax, SQL

● EDUCATION AND TRAINING

09/2022 – 02/06/2025 Sfax, Tunisia

BACHELOR'S DEGREE IN COMPUTER SCIENCE ISIM sfax - Higher Institute of Computer Science and Multimedia of Sfax

● LANGUAGE SKILLS

Mother tongue(s): **ARABIC**

Other language(s): **ENGLISH**

● PROJECTS

Web site for Microsoft Tech Club ISIM-Sfax

Developed an interactive website for MTC-ISIMS, designed to promote the club's activities, enhance community engagement, and streamline the registration process for events and memberships.

Tech: Html, Tailwind CSS, Javascript

Link: <https://mezghani-aymen.github.io/MTC-landing-page/>

Landing page for hackathon Microsoft Tech Club ISIM-Sfax

Developed an interactive landing page for the CodeSell Hackathon, aimed at promoting the event and facilitating user registration

Tech: Html, Tailwind CSS, Javascript

Link <https://mezghani-aymen.github.io/CodeSell/>

03/02/2025 – 30/06/2025

Development of an Innovative HR Application Integration an Intelligent Web Scraping Tool

Development of a web application for **human resources** management integrating an **intelligent web data extraction tool**

Tech: Next.js, Spring Boot, Keycloak, MongoDB, AI, Python, Docker, Tailwind CSS

● TECHNICAL SKILLS

FRONTEND

- React.js / React.ts
- HTML
- CSS
- JavaScript - TypeScript
- Tailwind CSS , Bootstrap
- Nextjs

BACKEND

- Laravel
- Nestjs
- Spring boot

DATABASES

- SQL
- MongoDB

VERSION CONTROL

- Git
- GitHub

API

- RESTful API Development
- WebSockets

DEVOPS

- Docker

● VOLUNTEERING

18/07/2023 – 21/09/2023 Microsoft Tech Club ISIM-Sfax, Tunisia

Web Developer

- Created and developed a website as part of the club's projects

24/09/2023 – 24/05/2024 Isims Google Student Club Sfax, Tunisia

Team lead web department

- Led the web development department by providing training, assigning tasks, and creating a roadmap for team members to follow.

19/12/2023 – 21/12/2023 Challanger In National Microsoft Technologies Camp (NMTC)

Prototype Designer

- Designed a prototype using Figma during the camp

13/04/2024 – 14/04/2024 Hackathon Microsoft Tech Club ISGIS

Web Developer

- Worked on developing a dashboard

13/04/2023 – 14/04/2023 Hackathon Codesell with Microsoft Tech Club ISIMS , sfax

Organizer and Developer

- Created a landing page for the event
- Managed attendee confirmations in an HR capacity

20/04/2024 – 21/04/2024 Youth Speak AIESEC , sfax

Data Researcher

- Conducted research to gather data and resources for project support