BOURHYM MOHAMMED

Motivated software engineering student with a strong curiosity for the IT field, currently seeking a summer internship to apply, expand, and refine my skills in DevOps and software engineering. Eager to contribute to real-world projects while continuing to grow as a developer and it enthusiast.

Software Enginner

 MOHAMMED BOURHYM   +212 690835989   MoBourhym
 simobourhym01@gmail.com

Education

Ecole Normale Supérieure de l'Enseignement Technique (ENSET)

Cycle d'ingénieur en Génie du Logiciel et des Systèmes Informatiques Distribués

2023 – Present   Mohammedia

Faculté des sciences, Université Abdelmalek Essaâdi

DEUG Computer and Mathematic Science (SMI)

2021 – 2023   Tetouan

Lycée ABI EL ABBAS SEBTI

Baccalauréat Mathematical Sciences

2020 – 2021   Tanger

Certificates

- DevOps udemy
- Aws learning labs
- Networking Essentials
- Python for Data Science

Activities

- Core Team Google developers group
- Shorts Editor ENSET PODCAST

Language

English, Frensh

Work Experience

Web Developer | Internship   July 2024 - September 2024
Foliatech

- Designed and developed an employee management platform, streamlining human resource management processes.
- Developed secure APIs and implemented route protection mechanisms to ensure user data privacy.

Projects

Employee Management System

- A full-stack **Angular** application for business administrators to manage employee data, track work activities, and enhance productivity. It features employee profile management, activity monitoring, and role-based access control.
- The backend, built with **Node.js** and **Supabase**, ensures secure data handling with **JWT** authentication and protected API routes, integrating seamlessly with the Angular frontend via **RESTful** APIs.

eduN7 – Multimodal AI Chatbot

- eduN7 is an innovative chatbot that leverages Retrieval-Augmented Generation (RAG) to provide precise and contextual responses by combining document retrieval and generative AI. It supports multimodal inputs, allowing users to upload documents for custom context generation. Built with **JavaFX** for the UI, a **Flask** backend, and **Llama** 3.2 for text generation, it integrates **Chroma** for semantic search and **LangChain4J** for document processing, transforming static documents into interactive learning resources.

Transcription Generator

- Application that seamlessly generates transcriptions from user-provided videos using **Whisper**, **Node.js**, and a **React**-based interface. The platform allows users to upload videos, process audio with **Whisper** for accurate **speech-to-text** conversion, and display the transcriptions in an intuitive and interactive UI. Designed for efficiency and ease of use, the application ensures maintaining high transcription accuracy.

Skills

- **WEB DEVELOPMENT :** HTML, CSS, JavaScript, React, Spring, Bootstrap, Node.js, Angular
- **Databases :** MySQL, MongoDB, PostgreSQL, Redis
- **Programming Languages :** Java, JavaScript , C++, PHP, Python
- **Devops :** Bash, Python, Terraform, Github Actions, Docker, Vagrant
- **Core Programming Skills :** Data Structures, Git, OOP (Object-Oriented Programming)