

Imane Chakrellah

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About Me

Passionate about web development, I am constantly on the lookout for new technologies and trends. My training in computer science has given me solid skills in programming and web design. I am motivated, curious and ready to take on technical challenges to contribute to innovative projects

Education

- | | |
|--|-------------|
| Lycee Abderahim Bouabid <ul style="list-style-type: none">Baccalaureat en SVT | 2020 – 2021 |
| Ecole Marocaine Sciences et de l'Ingenieureries <ul style="list-style-type: none">Master's in Computer Science and Networks | 2021 – Now |

Experience

LUMINALINK - Coffee Shop

- Developed and deployed a serverless architecture on AWS to manage data and user requests, with a front-end built in Angular and tested across three UI versions.
- AWS Lambda:** Used to run backend code in response to events or HTTP requests without managing servers.
- Amazon API Gateway:** Used to create and manage RESTful APIs that route client requests to the appropriate Lambda functions.
- DynamoDB / S3:** Used DynamoDB for fast, low-latency NoSQL storage, and S3 for hosting static assets and backups securely.

[CoffeeShop](#) 
July 2024 - - August 2024
Morocco,Rabat


PROVIROLL

- Created an intuitive, modern mockup of the company website with interactive UI and 3D design elements to enhance user experience.
- Figma:** Used to design interactive mockups and user interface layouts, allowing real-time collaboration and prototyping.
- Adobe (Photoshop, Illustrator, Dimension):** Developed 3D elements and visual assets to enrich the site's aesthetics.

[Proviroll](#) 
August 2024

PROVIROLL -Twitter Automation Agent

- Developed an autonomous conversational agent to automate the creation and publication of posts on Twitter/X, capable of scraping tweets, preprocessing data, fine-tuning a language model, and generating coherent content in real time
- ElizaOS :** Core framework for modular agent orchestration and seamless integration with Twitter API.
- snsrape / Tweepy (Python):** Automated scraping of tweets from target accounts and collection of training data.
- Hugging Face Transformers (NLP):** Fine-tuned pre-trained models to replicate the style and thematic patterns of analyzed accounts.

github.com/Auto-Tweet 
July 2025– September 2025
France,Paris

Academic Projects

Online Taxi Reservation System

github.com/T-SIR

June 2024

- Development of a platform for online taxi booking with user authentication for clients and drivers, and intuitive interfaces for ride management.
- **Python (Django)**: Used to build the backend, manage user authentication, and handle the communication between the interface and the database.
- **SQL**: Data storage and management (users, bookings, history)
- **HTML/CSS**: Structuring and styling web pages.

Movie Management System

github.com/YI-Movie

January 2025

- Website for managing a movie and actor database, offering full CRUD functionality and a responsive, interactive interface.
- **C# (.NET)**: Used to develop the backend logic of the application, manage server-side operations, and handle CRUD interactions with the database.
- **SQL**: Used to store, retrieve, and manage structured data related to movies and actors in a relational database.
- **JavaScript (React + Vite)**: Used to build the frontend interface, ensuring a fast, interactive, and responsive user experience, with Vite optimizing the development and build processes.

Tech Store – JEE Website with JDBC Architecture

github.com/Tech Store

May 2025

- The project consists of a website developed with Jakarta EE to manage an electronic product catalog. It includes user authentication, full CRUD operations, and a multi-criteria search function, and was developed using **IntelliJ IDEA**.
- **Jakarta EE**: Used to build the enterprise-grade backend architecture and manage web components such as servlets and session handling.
- **JDK 17 / Tomcat 10**: JDK 17 provides the runtime environment with modern Java features, while Tomcat 10 serves as the servlet container for deploying and running the Jakarta EE web application.

Mobile Application – Online Exams App

github.com/JOSKA EXAM

june 2025

- An Android application was developed for creating, sharing, and taking quizzes with historical result tracking.
- **Java**: Used to develop the app's core logic and user interface for Android devices.
- **Android Studio**: Used as the integrated development environment for building, testing, and debugging the mobile application.
- **Firestore Authentication / Realtime Database**: Used for secure user login and real-time storage of quiz data, results, and history.

Recommendation System – E-commerce Platform

github.com/ROAL

june 2025

- A recommendation engine was developed for an e-commerce platform using collaborative filtering (ALS) and content-based filtering techniques. The system suggests products based on user behavior, purchase history, and product similarities, with a dashboard to display personalized results.
- **Apache Spark (PySpark + MLlib)**: Built scalable recommendation models using the ALS algorithm for collaborative filtering.
- **Kafka / Elasticsearch**: Enabled real-time stream processing and fast indexing of product recommendations.
- **Dash / Streamlit**: Utilized to develop a simple, interactive dashboard for displaying personalized product suggestions.

Healthcare AI: Predicting Patient Survival

- A web interface for predicting mortality probability based on medical data using artificial intelligence models.
- **Python** : Used for developing the machine learning prediction model.
- **Scikit-learn / TensorFlow**: Utilized for training, validating, and implementing machine learning algorithms.
- **Streamlit**: Employed to build the interactive web interface for user input and real-time predictions.

github.com/Death-Predection
july 2025

Certificates

Interactivity with JavaScript

2023

- University of Michigan

The Unix Workbench

2024

- Johns Hopkins University

React Basics

2024

- Meta

Software Engineering: Software Design and Project Management

2024

- The Hong Kong University of Science and Technology

Oracle Database Administration I

2024

- ORACLE

Building Functional Mockups and Low-Fidelity Prototypes

2025

- Google

Technical Stack

- **Languages:** C++, C#, Java, Python, SQL, PL/SQL, NoSQL, HTML, CSS, JavaScript, JEE
- **Technologies:** Git, Git Bash, GitHub, MySQL, Oracle
- **Cloud:** AWS, Azure
- **Virtualization / Infrastructure:** Proxmox, pfSense, ESXi, VMware
- **Methodologies:** Agile, Scrum, Kanban
- **Frameworks / Libraries:** .NET, Bootstrap, React, Django
- **Containerization & Orchestration:** Docker, Kubernetes
- **Design:** Figma, Adobe
- **Softskills:** Attention to Detail, Team Collaboration, Adaptability, Communication

Language Skills & Interests

Language Skills

- **French:** B2
- **English:** B2
- **Arabic:** A2
- **Turkish:** A2

Interests

- Baking
- Music
- Motorsport
- Football