# Monsif **Souri Computer Engineering Student**

in linkedin.com/in/monsif-souri/ ♀ github.com/somoncef www.somoncef.me

Casablanca, Laya 20200 i Born on April 27, 2001 (23 years old) in Casablanca, Morocco



Future Engineer in Computer Science and Networks specializing in Computer Methods Applied to Business Management, passionate about web development and Machine learning. Seeking a six-month Capstone Project internship starting from February 2025

# EDUCATION

2022-2025	Master's degree in Computer Engineering and Networks, 4th Year, MIAGE option   Moroccan School of Engineering
	Sciences (FMSI)

2021 - 2022 Bachelor's Degree in sovtware Development | Faculty of Sciences, Ain Chock

2019 - 2021 Specialized Technician Diploma in Computer Development | OFPPT NTIC1, Casablanca

Baccalaureate in Physical Sciences and Chemistry | Henri Matisse School Group

# Professional Experience

## INTERN (FULL STACK DEVELOPER)

MAGHREB RAYONNAGE JULY TO AUGUST 2024

WEBMORPHERS AGENCY ONGOING

- Development of a Web Application for Automated Generation of CPS (Special Requirements Document)
- Automation of report generation process to reduce errors and optimize timelines
- Image scraping for a B2B platform via web requests based on product names

Next.js Tailwind CSS MySQL Git Node.js Express.js PDF-Lib

#### CO-FOUNDER (FULL STACK DEVELOPER)

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-Data scraping using multiple strategies for various client projects

- Contacting potential clients, negotiating, and closing deals
- Leading the design and development of responsive and scalable web and mobile applications
- Full-cycle project management from mockups to final product delivery

Next.js Tailwind CSS React js PostgreSQL Git Node.js Stripe Docker Firebase MapBox

# PROJECTS

# **CERTIFICATES**

#### CREATION OF A BOOK RECOMMENDATION SYSTEM - AGILE (SCRUM)

## github.com/mehdisaih/BookForEveryone

- Data cleaning and preprocessing
- Model training (Scikit-learn NearestNeighbors)
- Developing a Django application and integrated the model

Python Django MySQL Scikit-learn Kaggle Pandas Jira

#### CREATION OF AN ANDROID APPLICATION (QUIZ APP)

#### github.com/somoncef/java-Quiz-app-

- Firestore for storing quizzes and user data
- Integration of geolocation to save each user on the map with their highest score
- Audio recording and camera access to detect potential fraud

Java Firebase XML

#### CREATION OF A WEB APPLICATION (CAR RENTAL WEBSITE)

github.com/somoncef/fullstack-proj

- Developed a car rental web application, with Spring Boot backend and React JS frontend
- Axios for asynchronous data retrieval from the backend

React JS Axios SQL Server Spring Boot PostgreSQL

#### CREATION OF A WEB APPLICATION (RESTAURANT WEBSITE)

#### $\bigcirc$ github.com/somoncef/gestion<sub>r</sub>estaurant<sub>m</sub>ain

- Implemented a secure login system for users.
- Integrated an online ordering feature for customers
- Implemented a table reservation system for website users.

Python Django SQLite

#### CREATION OF A DESKTOP APPLICATION (SCHOOL MANAGEMENT)

#### $\bigcirc$ github.com/somoncef/Gestion<sub>e</sub> tablisment<sub>s</sub> colaire

- Integrated secure login and management functionalities for students and teachers
- Management of student grades and absences.

C# | SQL Server | Guna Framework

**IBM Machine Learning** IBM, in progress

#### Introduction to Git and GitHub

Google, 2024

#### **React Basics**

2024

2024

2023

2022

2021

Meta, 2024

#### Java and Object-Oriented Programming

University of Pennsylvania, 2024

#### Python for Everybody

University of Michigan, 2023

# LANGUAGES

- English [Fluent]
- French [Fluent]
- Arabic [Native]

## INTERESTS

- > Bodybuilding
- > Gaming

# **♣** Soft Skills

- > Adaptability
  - > Team spirit
  - > Curiosity
  - > Rigor and attention to detail
  - > Self-learning



**Programming Languages** 

Java (JEE, Mobile), Python, Microsoft . Net (C#), Typescript, Javascript, Dart, C, C++, PHP, BASH scripting

Frameworks Spring, Spring Boot, React.js, Next.js, Django, Tailwind CSS, Flutter

**Databases** Microsoft SQL Server, Oracle Database, MongoDB, MySQL, PostgreSQL, PL/SQL, SQL tuning **Development Tools** IntelliJ IDEA, Visual Studio Code, Visual Studio, Android Studio Git, GitHub, Docker, Kubernetes

Data Processing and Machine Learning Pandas, Scikit-learn, TensorFlow, OpenCV, CNN, Hadoop, Pig, Hive

Agile, Scrum, Jira

Methodologies & Tools



#### MEDITERRANEAN SMART CITIES HACKATHON - STREET LIGHTING SURVEILLANCE SYSTEM

MAY 2024

#### github.com/somoncef/Smart-city-Gestion-Materielle

- Development of a street light monitoring system using urban cameras
- Creation of a Java mobile application for technician notifications
- Development of an admin application with Next. is for zone management
- Implementation of a prioritization system based on traffic and crime rates
- Use of Firebase as backend for real-time data management

Java Mobile Next.js Firebase Next js Typescript

#### ORBIS HOUSE HACKATHON - SOLANA ARBITRAGE BOT

SEPTEMBER 2024

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- Development of an arbitrage bot on the Solana blockchain
- Creation of TypeScript smart contracts for trade execution
- Implementation of high-frequency trading strategies
- Development of a Next. is user interface for opportunity scanning
- Integration of DEX APIs for pool scanning

TypeScript Next.js Solana Smart Contracts web 3.0

#### RADIOLOGY VISION AI - IEHF HACKATHON 2024

OCTOBER 2024

### https://radiologyvision.vercel.app

- Development of an AI platform for enhancing radiological images
- Implementation of noise reduction and resolution enhancement algorithms
- Creation of CT image reconstruction and super-resolution features
- Development of a system for detecting and correcting imaging artifacts
- Integration of an advanced user interface for visualization and analysis
- Establishment of security protocols and regulatory compliance measures

CNN Autoencoder Radiology Digital Health tensorflow kaggle next is flask