Monsif SOURI
Computer Engineering Student

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Casablanca , Laya 20200   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 (EMSI)
2021 - 2022	**Bachelor's Degree in sovtware Development**	Faculty of Sciences, Ain Chock
2019 - 2021	**Specialized Technician Diploma in Computer Development**	OFPPT NTIC1, Casablanca
2019	**Baccalaureate in Physical Sciences and Chemistry**	Henri Matisse School Group

PROFESSIONAL EXPERIENCE

INTERN (FULL STACK DEVELOPER)   MAGHREB RAYONNAGE JULY TO AUGUST 2024

- 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)   WEBMORPHERS AGENCY ONGOING

https://www.webmorphers.org
- 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   React   Node.js   Tailwind CSS   PostgreSQL   Stripe   Docker   Firebase   MapBox

PROJECTS

CREATION OF A BOOK RECOMMENDATION SYSTEM - AGILE (SCRUM)   2024

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)   2024

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)   2023

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)   2022

github.com/somoncef/gestion$_r estaurant_m ain$
- 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)   2021

github.com/somoncef/Gestion$_e tablisment_s colaire$
- Integrated secure login and management functionalities for students and teachers
- Management of student grades and absences.

C#   SQL Server   Guna Framework

CERTIFICATES

IBM Machine Learning
IBM , in progress

Introduction to Git and GitHub
Google , 2024

React Basics
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

⊞ TECHNICAL SKILLS

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
Methodologies & Tools	**Agile**, Scrum, **Jira**

🚀 HACKATHON PROJECTS

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.js 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

 https://solarbiter.vercel.app
- 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.js 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 js | flask