**Hamza Simou**

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**EDUCATION**

**EMSI Marrakech** *2021 – Present (3rd year)*

*Engineering Degree in Computer Science*

**Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Computer Networks, UML Design, Linear Algebra, Statistics and Data Analysis

**EXPERIENCE**

**EUREKA DIGITAL, Marrakech** July 2024 – August 2024

*Python Developer (Intern)*

* “Developed an internal Python tool to **automatically transfer customer order data from Excel files into the company’s database**, reducing manual entry time by **30%**. Used **Pandas** to process the files and clean the data before inserting it into the system.”

**ACADEMIC PROJECTS**

**Expense and Invoice Management Application – Python** *Mai 2025*

• Smart expense tracking with automatic report generation  
• Integrated OCR for automatic invoice reading  
• Text processing with NLP for automatic expense classification

**Library Management System – C Language** *April 2022*

• Console application with a simple database  
• Features: add, edit, delete, sort, and search books  
• Interactive menu interface for easy navigation between features

**Collaborative Events Platform – MERN Stack** *December 2024*

• Create and join events  
• User authentication and participation management  
• MongoDB database for data storage

**Blog Platform – PHP / Laravel / MySQL** *November 2024*

• Web application allowing users to read and publish articles  
• User authentication and full CRUD on posts

**TECHNICAL SKILLS**

**Languages:** Python, Java, C++, C, PHP, Javascript, HTML/CSS, SQL **Frameworks & Libraries :** Laravel, Flask, Express.js, Matplotlib, Numpy, Pandas, OCR, TensorFlow, scikit-learn, RESTful APIs

**Developer tools:** Postman, Git, Unix/Linux, MySQL Workbench, VS code

**LANGUAGES**

Arabic : Native

English : C1 (IELTS 7.0)

French : C1