SIMPORE TAOBATA

4th-year Engineering Student in Cybersecurity and Embedded Systems

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22-year-old 4th-year engineering student in Cybersecurity and Embedded Systems at the National School of Applied Sciences (ENSA) of Tetouan. Originally from Burkina Faso and based in Morocco, I am passionate about cybersecurity, electronics, design, and front-end web development.

SKILLS

Cybersecurity	Embedded Systems & Electronics	Web and Software Development
Penetration Testing	FPGA Programming: VHDL, Verilog	Languages: Python, Java, C, JavaScript
Security Testing	Microcontrollers: ESP32, Arduino Uno	
Malware Analysis	Electronic circuits design	Front-end: React js, HTML5, CSS3

EXPERIENCE

Internship Projects – Brainwave Matrix   **2025**
- Phishing URL Scanner: Developed a tool in Python (Flask, Streamlit, Scikit-learn) to analyze and classify URLs in real-time to detect phishing attempts.
- Password Strength Checker: Created an application (Python, Streamlit) evaluating password strength with visual feedback and improvement suggestions.

Academic Project – AI-Driven Solar Tracker System   **2025**
- Designed an embedded system (ESP32, Arduino) to optimize solar panel orientation using AI.
- Developed a mobile application (Flutter/Dart) and a cloud backend (Firebase) for data monitoring and prediction.

Academic Project – Travel Agency Management (Java)   **2024**
- Developed a complete desktop application (JavaFX, CSS) for managing clients, itineraries, reservations, and payments, connected to a MySQL database (JDBC).

Exchange Participant Manager – AIESEC in Tangier   **2025**
- Guided participants through international corporate experiences. Managed applications and coordinated international exchanges.

Deputy Secretary General – AEBM Tetouan   **2023 – 2024**
- Developed skills in leadership, administrative management, activity organization, and communication within the association.

EDUCATION

Engineering Cycle – Cybersecurity and Embedded Systems   **2024 – Présent**
- National School of Applied Sciences (ENSA) of Tetouan

Preparatory Cycle for Engineering Studies   **2022 - 2024**
- National School of Applied Sciences (ENSA) of Tetouan

Scientific High School Degree (Series C) with Honors   **2022**
- Lycée Scientifique National de Ouagadougou (LSNO) – Burkina Faso

ADDITIONAL INFORMATION

- **Languages:** French (Native), English (Advanced)
- **Certifications:** Certified in Cybersecurity – ISC2   Ethical Hacking, Cybersecurity – Alison
  HTML5-CSS3-JavaScript – Alison   Intelligence Artificielle – Force-n Senegal