

SIMPORE TAOBATA

4th-year Engineering Student in Cybersecurity and Embedded Systems

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📍 Tetouan, Morocco

in [LinkedIn](#)

🌐 [Portfolio](#)

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

- Penetration Testing
- Security Testing
- Malware Analysis

Embedded Systems & Electronics

- FPGA Programming: VHDL, Verilog
- Microcontrollers: ESP32, Arduino Uno
- Electronic circuits design

Web and Software Development

- Languages: Python, Java, C, JavaScript
- 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 – Present

- 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
HTML5-CSS3-JavaScript – Alison



Ethical Hacking, Cybersecurity – Alison
Artificial Intelligence – Force-n Senegal