Soufiane Essahli

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EDUCATION

The Euro-Mediterranean University — Fes, Morocco
*Cybersecurity Engineering; Second year **GPA: 3.5 (14)** in the first year.* — Sep 2022 – Jun 2025

The Euro-Mediterranean University — Fes, Morocco
Preparatory Classes; two years with an honorable ranking during the semesters. **GPA: 3.7 (15.5)** Sep 2020 – Jun 2022

SKILLS

Programming Languages: C++, Python, SQL, Bash/Shell, Java, Javascript.

Technologies: PyQt, Flask, MySQL, Docker, Redis, OracleDB, Git, Blockchain, Cryptography.

Theoretical Knowledge: Information Theory, Advanced Algorithmics, Probability & Statistics, Parallelism...

EXPERIENCE

Marsa Maroc — Casablanca, Morocco
*Shadowing Internship **IT Department*** — *Jun 2023 – Aug 2023, Full-time*

- **Security Assessment:** Conducted a thorough security assessment of the company's IT infrastructure, identifying critical vulnerabilities in web applications and network configurations.
- **Penetration Testing:** Executed penetration tests on internal systems to uncover potential security breaches, simulating real-world attacks to test the effectiveness of current security measures.
- **Vulnerability Documentation:** Meticulously documented all discovered vulnerabilities, providing comprehensive reports that detailed the severity and impact of each issue, alongside recommended remediation strategies.

ACHIEVEMENTS

Moroccan Cybersecurity Camp 11th Edition: Ranked 2nd in the ENSIAS National CTF.

HTB International CTF: Ranked 81st about of 800 different team worldwide.

CERTIFICATIONS

Introduction to Cybersecurity Tools & Cyber Attacks

Cisco Ethical Hacking Certificate

MAJOR PROJECTS

Encryption Tool | *GitHub*

- Development of a python encryption/decryption command line tool with encryption algorithms made from scratch with a logging system. Integration of AES with CBC, CTR and ECB modes, as well as ChaCha20.
- Handling Encryption/Decryption metadata with Json files.

Darkest Sky (Still in development) | *GitHub*

- Innovative software that identifies optimal stargazing locations within a specified area.
- Employs diverse programming and development principles, utilizing Python and its scientific libraries to analyze astronomical data and geographic information.

Face recognition | *GitHub*

- GUI software for emotion detection and image description with MediaPipe and Stable Diffusion Integorrator.
- Hardware Optimization using CUDA and Tensorflow providing enhanced performance.

EXTRACURRICULAR

Member of 0xNox CTF team: Known as *HostileNinja72*, my team and i compete in CTF events where i take care of Cryptography and Reverse engineering, and occasionally Web Challenges. **We are ranked 2nd in Morocco.**

President of UEMF Astronomy Club: As Astronomy Club President, I fostered critical thinking and philosophical insight through weekly lectures and events, deepening cosmic appreciation and promoting community engagement.