



Bilal Aloui

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PROFILE

Engineering student specializing in cybersecurity and digital trust, seeking an internship in information systems security.

EDUCATION

Engineering Cycle in Cybersecurity and Digital Trust Since 2023 | Mohammedia
ENSET Mohammedia – Hassan II University

DUT – Networks and Telecommunications (Associate Degree, Level 2) 2021 – 2023 | Fez
Higher School of Technology – Sidi Mohamed Ben Abdellah University
Mention: Excellent

PROFESSIONAL BACKGROUND

Internship - Machine Learning and Cybersecurity, 3D Smart Factory July 2024 (1 month) | Mohammedia
• Development of a Host-Based Intrusion Detection System (HIDS) for Autonomous Vehicles, Focusing on Vulnerabilities in the CAN Bus and Internet of Vehicles (IoV)

Internship - Information Technology, CCIS-TTA April 2023 (2 months) | Tangier
• Design and implementation of a local virtual data center (VMware vCenter)
• Installation of essential services: Active Directory (user management) and Nagios (network monitoring).

Internship - Network Administrator, Hassan II University Hospital July 2022 (1 month) | Fez
• Configuring a TrueNAS storage server.
• Support in network upkeep and incident resolution.

CERTIFICATIONS

Cisco CyberOps, Oracle OCP, NDG Linux Essentials, Python Essential Training, Cisco: Introduction to IoT, Cisco CCNA.

SCHOLARLY ENDEAVORS

- Facial recognition technology for access control
- Intrusion detection system for autonomous vehicles.
- Automating Website Oversight

ACTIVITIES

President of the LDX Club, organizes cybersecurity awareness sessions, actively participates in CTF competitions, and is an engaged member of TryHackMe and CyberTalents.

SKILLS

Cybersecurity: ISO/IEC 27001, Information Security, Risk Management, Kali Linux, Burp Suite, Sqlmap, Hashcat, Wireshark, Metasploit, Security Onion, Firewall, VPN, IDS/IPS

Systems & Networks: Linux (Red Hat, Debian), Active Directory, VMware, Docker, System and Network Administration

Development: Python, C/C++, Java, JavaScript, PHP, Laravel, SQL, Redis, Git, MySQL, MongoDB

Artificial Intelligence: Machine Learning

Languages: Arabic (native), French (professional proficiency), English (professional proficiency).