

ALI AMOUZ

Junior Penetration Tester



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github:[AliAmouz](#) | portfolio:[Ali Amouz](#) | [Portfolio](#)

WORK EXPERIENCE

Almouhandis AI SARL

Rabat

Cybersecurity Intern

July 2025 – September 2025

- Designed and implemented a **pentester support platform** to streamline vulnerability research and reporting workflows.
- Built core modules for **asset enumeration, vulnerability tracking, and exploit documentation**, improving team collaboration and efficiency.
- Developed automation features using **Python (Flask/Django), JavaScript (React/Next.js), and MongoDB/PostgreSQL**, enabling testers to quickly log, search, and organize findings.
- Delivered the platform to internal pentesters, reducing reporting time by **30%** and ensuring more consistent, standardized deliverables.

Drkhir ensias

Rabat

Full-Stack Web Developer

April 2024 – June 2025

- Led a **team of 20+ students**, onboarding newcomers into web and app development through structured workshops.
- Reviewed pull requests, enforced coding standards, and merged contributions using **Git & GitHub workflows**.
- Mentored juniors in **JavaScript (React, Node.js), databases (MongoDB, SQL), and REST API design**, fostering collaboration and best practices.

TechFortitude

Rabat

Full-Stack Web Developer Intern

July 2024 – September 2024

- Built and deployed a **content management system (CMS)** using **React.js, Node.js, MongoDB**, enabling staff to update landing pages without technical assistance.
- Integrated **JWT-based authentication** and implemented access control for secure multi-user management.
- Improved UX by 30% through responsive design and performance optimization.

EDUCATION

Master of Engineering in cybersecurity

École Nationale Supérieure d'Informatique et d'Analyse des Systèmes (ENSIAS)

Rabat, Morocco

Expected July 2026

Associate's degree in Technologies and industrial science

Classes Préparatoires TSI

Agadir, Morocco

Sep 2021 - Jul 2023

PROJECTS

Security & Penetration Testing

CVE2025-24893 Exploit Development & Adaptation

- Analyzed and modified public CVE exploit to bypass security controls on HackTheBox "Editor" machine
- Demonstrated practical exploit chain development including privilege escalation and lateral movement
- Applied vulnerability research methodologies to adapt exploits for specific target environments

Secure Application Containerization Framework

- Designing and implementing hardened container deployment pipeline for open-source applications
- Applying defense-in-depth strategies including runtime security, least privilege, and network segmentation
- Implementing security controls: AppArmor/SELinux profiles, seccomp filters, and vulnerability scanning automation

Network Security & Infrastructure

Software-Defined Network Security Lab (AWS)

- Deployed SDN infrastructure using OpenDaylight controller and Mininet for security testing
- Configured programmable network flows to simulate and analyze attack scenarios
- Experimented with network segmentation, traffic analysis, and automated threat response

Development & Automation

Custom Linux Shell Implementation

- Implemented core shell commands (cd, ls, redirection, piping) in C
- Added networking tools (ping, traceroute) and IPC features for process communication

Contribution to "Tree Python" Tool

- Refactored codebase with OOP principles to improve modularity and maintainability
- Wrote unit tests and debugging tools for Linux environments

ADDITIONAL

-Security & Networking: Web App Pentesting (OWASP Top 10), Packet Analysis, Intrusion Detection, Firewalls, Secure Authentication

-Tools: Burp Suite, Nmap, Metasploit, SQLMap, Wireshark

-Programming: Python, JavaScript (React, Node.js, Express), Rust, C, Bash, SQL

-Systems: Linux/Unix Administration, System Hardening, Shell Scripting, Git/GitHub

-Languages: English (Fluent), Arabic (Native), French (Professional), Spanish (Intermediate)