

ANAS MOKHTARI

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SUMMARY

Computer science student and self-driven engineer focused on Linux internals, cloud infrastructure security, and runtime threat detection. Discovered CVE-2026-4006, a stored XSS vulnerability in a WordPress plugin, disclosed via Wordfence. Built Ataree, an eBPF-based Linux runtime security tool in Go that streams structured kernel events to user space. Ranked 4th nationally in CTF Time (Algeria) and won three CTF writeup competitions in 2025.

PROJECTS

Ataree — Linux Runtime Security via eBPF;

Go · eBPF · libbpf · bpf2go · vhxuu.xyz/ataree

- Built a runtime security agent in Go using eBPF to observe Linux kernel activity and stream structured syscall events to user space for real-time filtering and analysis.
- Designed a modular pipeline: eBPF kernel objects compiled via bpf2go → ring-buffer reader → decoder → pluggable output, enabling future SIEM or cloud-logging integrations.
- Relevant to cloud-native workloads: eBPF-based observability is the foundation of projects like Cilium, Falco, and Pixie used in Kubernetes security postures.

Automated OpenVPN Infrastructure on Proxmox;

- Provisioned a fully automated VPN infrastructure from scratch using Proxmox Hypervisor and pure Bash — eliminating manual steps and demonstrating IaC discipline at the VM level.
- Handled networking, routing, NAT, and peer configuration using netmiko — skills directly applicable to OpenScaler's VPC and networking stack.

Graph Solver CLI & ESI Algo — Educational Engineering Tools;

vhxuu.xyz/work

- Created Graph Solver, a CLI tool for visualizing graph theory algorithms, used by fellow students — designed for clarity, extensibility, and low overhead.
- Built ESI Algo, a web platform for DSA study with 200+ active users in the community.

CTFDi — Security Research Automation;

vhxuu.xyz/ctfdi

- Implemented a Bash web scraper that aggregates CTF writeups from security Discord servers, cutting manual research time for a team of 4.

EXPERIENCE

Security Researcher & Content Creator | Independent;

Jul 2023 – Present

- **Discovered CVE-2026-4006** — a stored XSS vulnerability in the Simple Draft List WordPress plugin (\leq v2.6.2). Root cause: missing output escaping on the \$author_link variable when no author URL is present, allowing Contributor-level attackers to inject persistent JavaScript. Responsibly disclosed via Wordfence; patched in v2.6.3. CVSS 6.4 (Medium).

- Published 22+ CTF writeups explaining web application vulnerabilities and exploit mechanics — topics include JS type confusion, deserialization, SSRF, and authentication bypasses.
- Won 3 CTF writeup competitions in 2025 (DiceCTF, UTCTF, PearlCTF) and ranked 4th nationally in Algeria on CTF Time with team M1nt4llty.
- Produced PortSwigger Web Academy video walkthroughs for 500+ viewers, covering OWASP Top 10 vulnerabilities with technical depth.
- Held hands-on cybersecurity workshops for Micro Club and Algerian Tech Makers — communicating complex kernel and web security concepts to 20+ students.

Backend & Infrastructure Developer | Personal & Club Projects;

Oct 2024 – Present

- Developed an e-commerce Flutter application using BLoC and clean architecture, shipping a production-quality mobile product end-to-end.
- Built a compliant URI parser based on RFC 3986 in JavaScript and a low-level web server in Assembly — demonstrating systems-level curiosity beyond typical coursework.
- Automated router/switch configuration (routing, VPN, NAT) using Python netmiko, reducing setup time for lab environments by eliminating repetitive CLI steps.

EDUCATION

Higher School of Computer Science

Sidi Bel Abbes, Algeria | September 2022 - Present

Concentrations: Operating Systems, Networking & Software Development.

- Held online study sessions by gathering 20 students to help enforce learning with practical questions from the curriculum.

Faculty of Mathematics & Computer Science

Mostaganem, Algeria | September 2021 | June 2022

Concentrations: Real Analysis, Algebra & Data Structures and Algorithms.

- Assisted the local community by creating an online environment where more than 200 students gather to exchange information and help each other.

Oueld Kabliya Saliha - Secondary School

Mostaganem, Algeria | September 2018 | August 2021

Graduated with a 1st BAC Average equal to 16.17 / 20 and a 2nd BAC Average equal to 17.24 / 20.

SKILLS & INTERESTS

Systems & Security: Linux (i3wm, dwm, Vim, Tmux), eBPF, Bash, Proxmox, nmap, Wireshark, Burp Suite, ZAP Proxy

Cloud & Infrastructure: OpenVPN, Networking (VPC, NAT, routing), Docker, netmiko, Git

Development: Go, Python, JavaScript, FastAPI, ExpressJS, React, GraphQL, SQL, Flutter/BLoC

Interests: Runtime security, cloud-native observability, vulnerability research, Chess.

Soft Skills: Technical writing & documentation, workshop facilitation, independent research, cross-functional collaboration.

Languages: Native Arabic speaker. Fluent in English and French. Conversational level in Japanese.