Ahmed Limam

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EDUCATION

Institut National des Sciences Appliquées et de Technologie (INSAT) **2022-2027**
Major: Network Engineering Tunis, Tunisia

WORK EXPERIENCE

SmartSkills **Jul. 2025 – Present**
Penetration Tester & Security Auditor

- Executed 30+ security engagements for client organizations over the past year, including web application penetration tests and Active Directory assessments, with 70% uncovering High severity or greater vulnerabilities including RCE, IDOR, authentication bypass, and AD privilege escalation paths.
- Ran systematic vulnerability assessments across client infrastructure, triaging findings by exploitability and business impact to drive remediation prioritization.
- Authored client-facing remediation reports detailing exploitation chains and fix guidance, translating technical findings into actionable, clearly explained steps.

PROJECTS

AI-Driven Autonomous Penetration Testing Agent | Python, LangGraph **2026**

- Built a LangGraph tool-calling agent that autonomously chains offensive security tooling through a recon → exploitation → reporting pipeline, backed by a registry-driven tool catalog that dynamically injects available tools into agent prompts.
- Implemented 15+ deterministic exploit modules; SQL/NoSQL injection, XSS, SSTI, XXE, SSRF, path traversal, command injection, JWT forging, TOTP, driven by declarative payload libraries, with evidence-verified findings auto-rendered into markdown/HTML reports.

Secure Private VPN Mesh Network | Tailscale, Headscale, Python, Azure, Git, Linux **2025**

- Engineered a distributed VPN mesh network using Tailscale and self-hosted Headscale, eliminating reliance on third-party coordination servers and giving full control over peer authentication and network topology.
- Deployed and managed VPN exit nodes across multiple Azure virtual machines, and built a Python backend enabling users to dynamically select and connect to different exit node VMs.
- Built a Linux-based Electron client to handle user authentication and automate peer connection to the mesh, replacing manual CLI setup with a one-click connect experience.

CERTIFICATIONS & ACHIEVEMENTS

- **Certified Red Team Professional** (**CRTP**) by **Altered Security** **2025**
- **4th place –** Brunner International CTF **2025**
- **1st place –** CyberSphere Congress advanced CTF **2025**
- **1st place –** Securinets EPS CTF **2025**
- **1st place –** Spark CTF **2025**

TECHNICAL SKILLS

- **Networking:** TCP/IP, UDP, DNS, DHCP, VPN, NAT, Subnetting, VLANs
- **Security:** Web Application Penetration Testing (SQLi, XSS, CSRF, IDOR, SSRF, Auth Bypass, Business Logic Flaws), Reverse Engineering, Digital Forensics
- **Security Tools:** Burp Suite, Nmap, Wireshark, Ghidra, IDA, Autopsy, Volatility
- **Programming & Scripting:** Python, Java, JavaScript, PHP, C, C++, Rust, SQL, Bash