Mohamed Ramadan

Cybersecurity Student | Offensive Security | IT & Network Support

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PROFESSIONAL SUMMARY

Third-year Cybersecurity student at Arab Open University (dual-degree with The Open University, UK), specializing in Offensive Security and Web Application Penetration Testing. Completed the full Cisco CCNA three-course training track and the CEH university curriculum (exam pending), and holds the Red Team Leaders CCEP credential. Proven hands-on experience in vulnerability assessment, secure server deployment, network topology design, and cross-platform technical support. Actively pursuing a cybersecurity internship or junior security/network role where academic lab skills and a relentless problem-solving mindset translate directly into real-world impact.

TECHNICAL SKILLS

Network Security	Cisco Packet Tracer (topology design, routing, switching, subnetting), router/switch CLI, Wi-Fi optimization, DNS hardening, VLAN concepts
Security Tools	Nessus Essentials, OpenVAS, Nmap, Wireshark, DVWA, Metasploit (academic)
Web App Security	SQL Injection testing & mitigation, HTTPS/TLS via OpenSSL & Apache, HSTS, input validation, server hardening, OWASP Top 10 awareness
Operating Systems	Kali Linux, Ubuntu, Fedora, Windows Server, macOS, Android, iOS — installation, hardening & troubleshooting
Virtualization	VMware, VirtualBox — multi-VM lab environment setup and management
Scripting	Python (academic), Bash / Linux terminal scripting
Soft Skills	Technical report writing, vulnerability documentation, root-cause analysis, self-directed learning

EDUCATION

B.Sc. in Cybersecurity (In Progress — Year 3 of 4) *2023 – Expected 2027*

Arab Open University (AOU) — Dual-degree with The Open University (UK) | Cairo, Egypt

- Relevant coursework: Applied Cybersecurity, Network Security, Ethical Hacking, Python Programming
- Completed structured practical labs on university NetLab+ platform (Windows Server 2012 R2, Ubuntu, Kali Linux)
- Produced formal penetration testing findings reports and vulnerability assessment documentation

CERTIFICATIONS & TRAINING

CCNA: Enterprise Networking, Security & Automation — Course Completion — Cisco / NetAcad*Feb 2025*
CCNA: Switching, Routing & Wireless Essentials — Course Completion — Cisco / NetAcad *Dec 2024*
CCNA: Introduction to Networks — Course Completion — Cisco / NetAcad *Nov 2024*
Certified Cybersecurity Educator Professional (CCEP) — Red Team Leaders *Obtained*
Red Hat System Administration I (RH124) — Red Hat / MaharaTech *Obtained*
Ethical Hacking — MaharaTech *Obtained*
Certified Ethical Hacker (CEH) — EC-Council *Coursework Completed — Exam Pending*

PROJECTS & LAB WORK

Vulnerability Assessment — Penetration Tools Evaluation — AOU NetLab+ Lab *2025*

- Conducted a structured comparative analysis of Nmap, Nessus Essentials, and OpenVAS across feature set, detection accuracy, OS support, and real-world applicability.
- Executed a live vulnerability scan against testphp.vulnweb.com, identifying 16 vulnerabilities including a critical unsupported PHP 5.6.40 installation with active exploit exposure.
- Authored a formal remediation report with CVSS-aligned severity classification and prioritized remediation guidance for each confirmed finding.

Secure Web Server Deployment — LAMP Stack Hardening & SQLi Mitigation — AOU NetLab+ Lab *2025*

- Deployed a multi-VM environment (Windows Server 2012 R2 + Ubuntu) and applied OS hardening: password policy, non-default admin accounts, AUP login banner, and restrictive inbound firewall rules.
- Validated attack surface reduction with before/after Nmap scans — confirmed previously exposed ports were fully blocked post-hardening.
- Configured a least-privilege MariaDB user (SELECT, INSERT, UPDATE, DELETE only), bound to the web server IP, eliminating over-privileged database access.
- Deployed HTTPS on Apache using a self-signed X.509 certificate via OpenSSL; verified TLS handshake integrity using curl and browser certificate inspection.
- Demonstrated a live SQL Injection attack on DVWA using a classic payload, then implemented input validation controls and confirmed full mitigation.

Network Topology Design & Router/Switch Configuration — Cisco Packet Tracer *2025*

- Designed and built a complete multi-device topology (PCs, dual switches, router) and applied full CLI configuration for all devices.
- Verified end-to-end network connectivity via successful ping tests across all configured nodes, confirming correct routing and switching behavior.

Home Network Infrastructure Optimization — Personal Lab *Ongoing*

- Repurposed a legacy router as a managed wired switch and wireless access point, extending seamless Wi-Fi coverage across a multi-room home environment.
- Applied DNS hardening and security-focused router settings to reduce attack surface and improve privacy at the network edge.

EXPERIENCE

Freelance IT Support Specialist | Self-Employed | Cairo, Egypt *2022 – Present*

- Diagnosed and resolved hardware and software issues across Windows, macOS, Linux, Android, and iOS platforms — including OS reinstallation, BitLocker recovery, driver conflicts, and full system diagnostics.
- Configured and troubleshot home and small-office routers, including SSID settings, DHCP, and network segmentation, improving connectivity and reliability for end users.
- Performed physical device teardowns for component-level cleaning, fault identification, and hardware repair across laptops and mobile devices.
- Delivered remote support sessions, documenting issue root causes and resolution steps — developing client-facing communication and technical reporting skills.

References and lab documentation available upon request.