

Nour Alhouseini

Cybersecurity Professional — Penetration Tester — Application Security Enthusiast
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SUMMARY

Cybersecurity professional with practical experience in penetration testing, vulnerability management, and secure software development. Adept at bridging cybersecurity theory with real-world applications to identify and mitigate risks, with a strong passion for application security and exploit development.

EDUCATION

DePaul University

Masters in Cybersecurity (Computer Security)

Chicago, IL

Aug 2024 – Jun 2026

Coventry University

Bachelor of Science in Computer Science

Coventry, United Kingdom

Sep 2018 – May 2022

EXPERIENCE

Penetration Tester

Palestinian Higher Education

Mar 2024 – Aug 2024

Ramallah, Palestine

- Performed internal and external penetration tests identifying 7 critical vulnerabilities across 5 systems, directly contributing to a 60% reduction in attack surface.
- Conducted web application assessments uncovering 20+ vulnerabilities aligned with OWASP Top 10 and SANS Top 25, helping development teams patch issues within 2 weeks.

Information Technology Specialist

digitized

Oct 2023 – Mar 2024

Dubai, UAE

- Deployed, configured, and secured networking infrastructure in 3 hospitals, supporting uptime for critical MRI and cardiac systems with zero reported outages.
- Provided on-site troubleshooting, reducing system downtime by 30% and enhancing the security posture of connected medical devices.

Junior Cyber Security Consultant

Provention

Sep 2022 – Sep 2023

Milton Keynes, UK

- Led vulnerability assessments for 10+ SME clients, identifying risks and delivering detailed mitigation reports that improved audit scores by up to 40%.
- Supported organizations in achieving ISO 27001, ISO 9001, and Cyber Essentials+ certifications, contributing to compliance readiness and risk mitigation.
- Delivered cybersecurity awareness workshops and STEM outreach sessions to 100+ participants, fostering a culture of security within client organizations.

PROJECTS

Nonprofit Security Assessment Project *DePaul University Course Project (10 weeks)* | [GitHub](#)

- Assessed the security posture of a nonprofit organization by leading a 4-member team; identified misconfigured firewall ACLs, VLAN issues, RCE vulnerabilities in OpenSSH, and insecure WordPress plugins.
- Conducted a full NIST SP 800-30 risk assessment using Nessus, Nmap, and WPScan; delivered a comprehensive report with remediation strategies covering cloud security, MFA, EDR deployment, and policy updates.

gRPC-based File Retrieval System | [GitHub](#)

- Built a scalable Java system for file indexing, searching, and retrieval over gRPC with multi-threaded server-client communication.
- Enhanced performance by automating real-time progress tracking and benchmarking under simulated multi-client loads.

Static Code Analysis Tool | [GitHub](#)

- Developed a static code analyzer for Java applications to detect naming, concurrency, and performance violations.
- Implemented bytecode and source scanning using rule-based pattern matching with extensible rule sets.

SKILLS

Pentesting & Security: Vulnerability Assessment, SSDLC, Threat Modeling (OSSTMM, PTES, MITRE ATT&CK), OWASP Top 10

Tools: Burp Suite, Nessus, Nmap, Wireshark, Metasploit, Ghidra, Hashcat

Programming & Scripting: Python, Java, Shell, PowerShell, JavaScript, C++, C

Networking: TCP/IP, FTP, SSH, SMB, DNS, HTTP/HTTPS, VPN, ACLs, NAT, Firewalls, Smart Contracts