EL HILAL MOHAMEDENE

FINAL-YEAR CYBERSECURITY STUDENT | ASPIRING PENETRATION TESTER

Kuala Lumpur, Malaysia
mohamedeneelhilal@gmail.com | +60 17 505 3940



PROFESSIONAL PROFILE

Final-year Bachelor of Cyber Security student at Universiti Tenaga Nasional (UNITEN), Malaysia, with a developing focus on penetration testing, ethical hacking, web application security and network security. Completed an internship with SMART MS SA in the Cybersecurity & Intelligence department, gaining exposure to network security, penetration-testing activities and cybersecurity operations. Builds practical knowledge through guided labs, academic projects and independent technical learning. Interested in applying security fundamentals to real-world environments and exploring the role of AI and cloud technologies in modern cybersecurity.

TECHNICAL SKILLS

Security & Assessment
Penetration Testing Fundamentals • Web Application Security • Network Security • Reconnaissance • Enumeration • Vulnerability Assessment • Security Risk Analysis

Tools & Platforms
Kali Linux • Burp Suite • Nmap • Wireshark • Nessus • Linux • Windows Server • Oracle VirtualBox • Git/GitHub (project documentation and version control)

Areas of Interest
Ethical Hacking • AI in Cybersecurity • Cloud Security • Security Automation • Emerging Technologies

PROFESSIONAL EXPERIENCE

Network & Security Engineer Intern — SMART MS SA | *Cybersecurity & Intelligence Department*
Nouakchott, Mauritania | 10 August 2026 – Internship completed

- Completed an internship within the Cybersecurity & Intelligence department, gaining practical exposure to network security, penetration-testing activities and cybersecurity operations.
- Developed familiarity with vulnerability identification and assessment concepts, security testing workflows and defensive security practices.
- Gained exposure to SOC-related concepts and security monitoring as part of broader cybersecurity operations.
- Worked in a professional technical environment and strengthened analytical, documentation and problem-solving skills.

Note: Responsibilities are intentionally described at a high level; specific tools, client engagements and measurable outcomes can be added when confirmed.

SELECTED CYBERSECURITY & TECHNICAL PROJECTS

Hospital Building & Environmental Control System Security | *Academic Group Project | UNITEN*

- Contributed to a cybersecurity assessment of hospital Building Management Systems (BMS) and environmental control infrastructure.
- Assigned focus: Threats, Vulnerabilities and Risk Analysis, including phishing, ransomware, unauthorized access and insecure BACnet communication.
- Analyzed potential vulnerabilities, developed realistic threat scenarios and considered likelihood and security impact.
- Contributed findings and recommendations to the group's security assessment and presentation.

WebShield · HTTP Security Headers Analyzer | *Personal Project | Completed*

- Built a Python Flask dashboard that integrates custom HTTP scanner, header analyzer and report generator.
- Presents a weighted security score, PASS / WARN / FAIL findings and actionable hardening recommendations.
- Includes local scan history and downloadable TXT / JSON reports; CLI functionality is retained.
- GitHub: github.com/meddidii361-coder/webshield-http-security-analyzer

Web Application Security Practice · OWASP Juice Shop | *Guided Lab Practice*

- Practised web application security testing in a controlled local OWASP Juice Shop environment.
- Explored SQL injection, cross-site scripting (XSS), file-upload security and related testing concepts.
- Used security testing tools and documented learning through hands-on penetration-testing practice.

ADDITIONAL ACADEMIC & SOFTWARE PROJECTS

UNITENRide — Student Ride-Booking System | *University Group Project*

- Contributed to a student-focused ride-booking system concept designed around transport needs within the UNITEN community.
- Participated in project planning and team coordination; documentary video role included Director / Cameraperson.
- Supported project communication and presentation through documentation and media production.

Inventory Management System | *Object-Oriented Programming Group Project*

- Worked on an inventory management application as part of a collaborative programming project.
- Contributed within a structured team role allocation covering system architecture, logic, analysis and specialist tasks.
- Applied object-oriented programming concepts and collaborative software development practices.

System Networking Academic Project | *UNITEN*

- Created basic network diagrams representing routers, switches and connected devices.
- Worked with IP addressing and connectivity testing using simulation tools.
- Contributed to technical documentation explaining network components and core networking concepts.

EDUCATION

Bachelor of Cyber Security — Universiti Tenaga Nasional (UNITEN) | *Malaysia*
January 2025 – October 2027 (Expected) | CGPA: 3.40

Academic focus includes cybersecurity foundations, networking, programming, system administration, information security and related computing disciplines.

CERTIFICATIONS & CONTINUOUS LEARNING

Introduction to Cybersecurity — Cisco Networking Academy | *2025*

- Completed foundational cybersecurity training covering core security concepts and awareness.

Junior Penetration Tester Learning Path — TryHackMe | *In Progress*

- Continuing structured hands-on learning in reconnaissance, enumeration and penetration-testing methodology.
- Practising in guided lab environments and maintaining personal technical notes.

ADDITIONAL TECHNICAL LEARNING

- Network reconnaissance and enumeration using tools such as Nmap in authorized lab environments.

· Linux command-line practice; Oracle VirtualBox VM setup; Windows/Linux server and networking fundamentals.

LANGUAGES

Arabic — Native | French — Native | English — Fluent

PROFESSIONAL INTERESTS

Penetration Testing • Ethical Hacking • Web Application Security • Network Security • AI in Cybersecurity • Cloud Security • Security Automation

LINKS

LinkedIn: Add your profile URL | GitHub: Add your profile URL

Portfolio: Add when published