ISMAIL ABDELHAMEED

Web & Network Penetration Testing | CTF Player

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PROFESSIONAL SUMMARY

Computer & Communications Engineering student focused on cybersecurity, with hands-on experience in web and network penetration testing built through TryHackMe labs, CTF challenges, and personal security projects. Comfortable operating in Linux and Windows environments, with practical exposure to post-exploitation techniques and foundational Active Directory enumeration. Builds and maintains open-source security tooling and resources, and works regularly with Nmap, Burp Suite, Wireshark, and Metasploit in lab settings.

EDUCATION

Mansoura University – Faculty of Engineering *Expected 2027*
B.Sc. Computer & Communications Engineering
GPA: 3.34

CERTIFICATIONS

- CCNA: Introduction to Networks - Cisco Networking Academy (Mar 2026)
- Multivendor Firewall Solutions - National Telecommunication Institute (NTI) - 94% (FortiGate, Cisco ASA, ACLs, VPNs)
- Offensive Agent AI Course - Red Team Leaders (Jan 2026)
- Pre Security (New) Learning Path - TryHackMe (Feb 2026, 19h)
- Advent of Cyber 2024 & 2023 (24 daily challenges each), Love at First Breach CTF, and Hacker Holidays - TryHackMe

TECHNICAL SKILLS

- **Cybersecurity:** Web Penetration Testing, Network Penetration Testing, Vulnerability Assessment, Offensive Security, Post-Exploitation, Privilege Escalation, CTFs & Enumeration
- **Networking:** TCP/IP, Routing, Switching, Network Enumeration, Cisco Packet Tracer, GNS3
- **Web Security:** Web Enumeration, OWASP-related concepts
- **Windows & Active Directory:** Windows Security Fundamentals, Active Directory Fundamentals, Basic AD Enumeration
- **Security Tools:** Nmap, Burp Suite, Wireshark, Metasploit
- **Programming & Web:** Python, JavaScript, Java (Basic), Bash, SQL, HTML5, React (Basic), Astro (Basic), Git
- **Operating Systems:** Linux, Windows
- **AI & Productivity:** Prompt Engineering, Generative AI, Artificial Intelligence, Workflow Optimization

PRACTICAL CYBERSECURITY EXPERIENCE

Digital Egypt Pioneers Initiative (DEPI) — Vulnerability Analyst & Penetration Tester Trainee *2026 - Present*

- Completed Networking Fundamentals & Prerequisites, covering Network Security Essentials, Linux & Windows Fundamentals, Introduction to Penetration Testing, and AI-enhanced networking concepts.
- Completed Soft Skills Training, developing communication, teamwork, problem-solving, and professional skills.
- Completed Network Penetration Testing Sessions 07-11, covering Network Reconnaissance, Enumeration & Vulnerability Analysis, Exploitation & Initial Access, Post-Exploitation, Active Directory Fundamentals, and AD Enumeration.
- Currently advancing in Network, Web Application, and Android Penetration Testing, with hands-on exposure to vulnerability assessment and offensive security methodologies.

Self-Directed Learning & TryHackMe *2024 - Present*

- Completed 200+ TryHackMe rooms and hands-on CTF challenges covering web enumeration, network reconnaissance, and vulnerability assessment using Nmap, Burp Suite, and Wireshark.
- Practiced post-exploitation workflows, including privilege escalation and credential-related analysis, across Linux and Windows lab environments.
- Applied foundational Active Directory enumeration concepts within TryHackMe rooms and CTF scenarios.

University Coursework & Projects — Mansoura University *2024 - Present*

- Applied networking fundamentals (TCP/IP, routing, switching) from coursework to hands-on lab exercises using Cisco Packet Tracer and GNS3.

PROJECTS

CyberSec Resources *Astro, React, Tailwind CSS, Node.js, Cloudflare Pages*

- Built and maintain an open-source cybersecurity resource hub with 4,485+ curated items across 173 categories.
- Indexed 918 security tools, 660 TryHackMe labs, 220 HTB/AD labs, and 1,256 bug bounty writeups.

tiny.cc/github-repo | cybersec.x606.me

PassGen – Secure Password Generator *Bash, Linux*

- Built a modular Bash CLI tool that generates passwords using /dev/urandom for cryptographically secure randomness, with interactive and non-interactive modes, preset profiles, and batch generation.
- Implemented security-conscious defaults, including custom length/character-set selection and saved password files restricted to 600 permissions, with a system-wide installer.

tiny.cc/github-rep

CTF & Security Labs

- c4ptur3-th3-fl4g - Solved encoding challenges using Leetspeak, binary, Base32, and Base64 decoding.
- Crack the Hash - Identified hash formats and practiced hash-cracking workflows across multiple hash types.
- Simple CTF - Performed Nmap service enumeration, identified FTP/HTTP/SSH services, and investigated exposed web content.
- Sakura Room - Performed passive OSINT investigation and analyzed image metadata/source content using techniques such as ExifTool.
- Frosteau Busy with Vim - Performed full-port/service enumeration with Nmap and investigated FTP, SSH, Telnet, Vim, and Nano services.
- Cicada-3301 Vol:1 - Worked through steganography and cryptography challenges, including hidden data in images and audio-spectrogram analysis.
- Water Bottle - Conducted OSINT research using search operators, business directories, phone-number patterns, and historical web information.
- Linux PrivEsc - Documented Linux enumeration, privilege escalation, exploitation, verification, and cleanup in an intentionally vulnerable lab.

bit.ly/walkthrough-cybersec

AWARDS & RECOGNITION

- TryHackMe Top 1% Ranking
- Multiple League 1st-Place Finishes - Bronze, Gold, Platinum, Diamond, and Ruby Leagues
- 200+ TryHackMe Rooms Completed
- 30+ TryHackMe Badges

SOFT SKILLS

Analytical Problem-Solving | Research & Self-Learning | Teamwork & Communication

LANGUAGES

Arabic: Native | English: Intermediate