

Omar Hossam Ahmed Salw

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github.com/3OMARHD

PROFILE

I am a cybersecurity student with experience in full-stack development, Networking, and applying security practices on each. Experienced in HTML, CSS, and JavaScript while securing web applications using Python frameworks such as Flask. Proficient in programming and scripting with Java, Python, and Bash. Strong foundation skills with Linux environments, such as Kali and Ubuntu. Familiar with penetration testing tools such as Nmap and Wireshark and knowledgeable in web application security principles (OWASP Top 10). Currently evolving my skills and experience in vulnerability assessment, ethical hacking, and secure software development. Eager to apply various technical and analytical skills in cybersecurity roles involving VAPT, risk assessment, and cloud security

EDUCATION

Alexandria National University, 2022 – Present | Alexandria, Egypt
B.Sc. of Computer Science and IT - Cybersecurity
• Cumulative **GPA** : 3.32/4.00

Digital Egypt Pioneers Initiative - DEPI, 2025 – Present | Alexandria, Egypt
Penetration Tester Intern

Alexandria Petroleum Company, 06/2024 – 08/2024 | Alexandria, Egypt
Information Technology Intern

PROFESSIONAL EXPERIENCE

Digital Egypt Pioneers Initiative - DEPI, 2025 – Present | Alexandria, Egypt
Penetration Tester intern

- Performing vulnerability assessments and penetration tests on web applications and networks.
- Preparing reports on findings and recommending mitigation strategies.
- Utilizing tools like Burp Suite, Nmap, Metasploit, and Wireshark
- Collaborating with cybersecurity teams to simulate real-world attack scenarios

CERTIFICATES

AWS Cloud Security Foundations

May, 2025

AWS Academy Cloud Foundations

December, 2024

IELTS – International English Language Testing System

March, 2022

SKILLS

Problem Solving

Critical Thinking


Strategic Thinking

Curiosity

PROJECTS


SecureDocs, *secure Flask-based document management system*

Built a secure Flask-based document management system with user authentication, encrypted storage, and role-based access control. Applied OWASP Top 10 security principles and implemented protections against common web vulnerabilities.

GitHub Link: <https://github.com/3OMARHD/DataIntegrityFinal2> 

LogAnalyzer, *Bash script to automate log analysis on web server logs*

Parsed and extracted key metrics including request types, failed access attempts, IP activity, daily averages, status code breakdowns, and peak traffic hours. Implemented regular expressions and other functions to identify security-relevant patterns such as brute-force attempts and HTTP errors.

GitHub link: <https://github.com/3OMARHD/log-analysis-task> 

Password Cracking Simulation, *Java application to simulate password cracking*

Built a Java application to simulate password cracking using both dictionary attack and brute force attack methods. This project demonstrates core security concepts such as password weaknesses, attack complexity, and input handling in Java.

GitHub link: <https://github.com/3OMARHD/password-cracker-java> 