

MORTADHA ALI AL-JODRAH

PENETRATION TESTER

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SUMMARY

Cybersecurity and Networks graduate with a strong focus on penetration testing and vulnerability assessment. I have 10 months of practical experience in identifying security flaws and securing systems. Leveraging my expertise in Python, web development, and AI tools, I deliver innovative security solutions. I am a certified professional (CCNA, Oracle, Aviatrix) with proven leadership skills and a commitment to continuous learning.

PROFESSIONAL EXPERIENCE

Penetration Tester, VertoCore

May 2025 – Feb 2026

- Conducted comprehensive penetration testing on web applications and networks to identify and mitigate security vulnerabilities.
- Utilized Python scripts to automate security assessments, increasing efficiency in detecting and preventing threats.
- Collaborated with web development teams to implement secure coding practices.
- Applied advanced AI tools to simulate attack scenarios and enhance defense strategies.

PROJECTS

Graduation Project: "DER3" Intelligent Instruction Detection and Prevention System Using Machine Learning.

Jan 2023 - Jun 2023

University of Science and Technology

- Project Lead: Directed the development of "DER3," a smart security system designed to detect and block cyberattacks using a hybrid approach. And that led the team for "Excellent" score in the project.
- Architecture: Engineered a three-layer protection mechanism integrating Machine Learning for anomaly detection, Rule-based filtering for known threats, and Rate-limiting to mitigate DoS attacks. And here is a demo-version of the project "<https://mor7adha.netlify.app/>"

"CriptX": Advanced Encryption & Steganography Tool

- Developed a robust file security tool utilizing industry-standard encryption algorithms to protect sensitive data.
- Implemented advanced steganography techniques to conceal encrypted files within scattered images, ensuring data remains undetectable.
- Designed a secure decryption mechanism that strictly requires a unique key or password, making unauthorized data recovery virtually impossible.

Lotus Medical Center Website

- Designed modern, user-friendly interfaces (UI) connected to a secure database system for efficient data management.

SKILLS

- Prototyping Tools
- General & Soft Skills Artificial Intelligence Proficiency
- User Research
- Network Security
- Cryptography & Steganography
- Team Leadership
- Python Programming
- UI/UX Design

EDUCATION

Bachelor of Cybersecurity and Networks Sep 2021 – 2026 University of Science and Technology

Focus on ethical hacking, network defense, and malware analysis.

English Language Studies (TOEFL Preparation) 2023 – 2024 International Language Center

Completed intensive English language training and TOEFL preparation.

High School Diploma 2019 – 2021 The Golden Pen School

ADDITIONAL INFORMATION

- Languages: English (TOEFL Certified), Arabic (Native).
- Certifications: Cisco Certified Network Associate (CCNA), Oracle Cloud Infrastructure, Aviatrix Multicloud Network.
- Awards: Certificate of "Advance Student Competition," Grade "Excellent" in Graduation Project.
- Activities: Participated in numerous seminars and workshops related to programming, IT trends, and software development.