

Nawal Mohamed Ibrahim Wahdan

nawal100mohamed@gmail.com +20 150 726 6364 <https://www.linkedin.com/in/nawal-wahdan04/>

Career Objective & Summary

Dedicated Cybersecurity student pursuing a penetration testing or digital forensics internship to apply and expand technical expertise. Key goals include:

- Utilize proficiency in Python, Kali Linux, Wireshark, and Burp Suite to strengthen organizational cybersecurity defenses.
- Apply practical experience in network penetration testing, web application security, and secure PHP development from university projects.
- Leverage advanced training in Vulnerability Analysis and Penetration Testing through Digital Egypt Pioneers Initiative (DEPI), TryHackMe, and PortSwigger Web Security Academy labs.
- Contribute analytical problem-solving and a passion for cybersecurity to a collaborative team, while fostering professional growth in penetration testing and digital forensics.

Experience

Vulnerability Analysis and Penetration Testing Trainee

07/2025 - Present

Digital Egypt Pioneers Initiative (DEPI) - Ministry of Communications and Information Technology (MCIT)

- Currently enrolled in a national cybersecurity training program focusing on Vulnerability Analysis and Penetration Testing.
- Applied and practiced with tools like Kali Linux, Wireshark, Burp Suite, and Python.
- Completed 20+ hands-on labs on platforms like TryHackMe and PortSwigger to build practical skills in ethical hacking and system security.
- Expanded knowledge in web application security, attack simulation, and secure coding techniques.
- Developing essential soft skills, including teamwork, communication, freelancing, leadership, and critical thinking, as part of the program's professional development track.

Education

Faculty of Artificial Intelligence – Cyber Security

09/2025 - Present

Menoufia University – Bachelor's Degree

GPA: 3.63/4.0

- Ranked among top 5 Cyber Security students in the 2nd and 3rd academic years.
- Consistently achieved 'Excellence' (top academic grade) in all academic years.

Certificates

- Cyber Security for Beginners [Mahara-Tech](#)
- The Essentials of Digital Forensics: From Basics to Practice [Mahara-Tech](#)

Skills

Technical:

- Nmap
- Web Application Security
- Burp Suite
- Cryptography
- Python
- Network Protocols
- Kali Linux
- Wireshark

Soft:

- Functional and critical thinking
- Collaboration and teamwork
- Documentation Creation
- Adaptive Person

Languages

Arabic

Native

English

Fluent (C1 Level)

Projects

Cryptography Tool:

Developed a graphical application using PyCryptodome for secure data encryption and decryption. Implemented symmetric (AES, DES, RC4) and asymmetric (RSA) cryptographic techniques, along with hashing (SHA-256, MD5) and blind signature capabilities. Features include user-friendly text/file input, key management, and output saving functionality.

Multimedia Watermarking Application:

Developed a Python-based tool with a tabbed GUI using customtkinter, integrating image, video, and audio watermarking. Supports multiple techniques (LSB, DWT, DCT, etc.) for embedding/extracting watermarks, with features like real-time video playback, audio visualization, and quality evaluation (SSIM/PSNR). Utilizes threading for responsive processing and modular design for independent media handling.

IDS with XGBoost Classifier:

Developed an intrusion detection system using the KDD Cup 1999 dataset. Preprocessed data with missing value handling, numeric conversion, and one-hot encoding. Configured and trained an XGBoost model, evaluated performance with accuracy and classification reports, and saved the model for future use. Extended functionality with Scapy for live packet sniffing, synthetic data generation, and real-time intrusion detection based on extracted packet features.