

# Moustafa Youssef

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## Academic Profile

Cybersecurity professional with hands-on experience in penetration testing and vulnerability assessment. Skilled in Python, Burp Suite, Nmap, and Metasploit, with a proven ability to identify and exploit security weaknesses. Completed ethical hacking training and internship projects that enhanced network and application security. Enthusiastic about developing analysis tools and innovative solutions to mitigate emerging threats.

## Education

### Mansoura College, Mansoura, Egypt

Oct 2020 - Apr 2025

*Bachelor of Engineering, New Electronics and Communications Engineering*

- **GPA:** 2.83

### SHAHID ODA SECONDARY SCHOOL FOR BOYS, Egypt

Sep 2017 - Jul 2020

*Secondary Education, Mathematics Division*

- **GPA:** 2.53 Excellent honors

## Professional Experience

### NEURONETIX Company

Aug 2024 - Sep 2024

*Python Virtual Internship*

*Online*

- Developed a Python-based solution to convert audio files to text, demonstrating proficiency in scripting and automation.
- Engineered a healthy meal recommendation system leveraging user-provided ingredients to enhance personalized user experiences.

### GDG On Campus AOU

Dec 2024 - Mar 2025

*Cyber security Intern*

- Evaluated website vulnerabilities using Burp Suite, showcasing vulnerability discovery and exploitation on web applications.
- Applied cybersecurity expertise on live websites to identify and refine mitigations for potential security threats, aligning with security research practices.

### WE Telecom

Dec 2023 - Mar 2024

*Communications Intern*

*Mansoura, Egypt*

- Facilitated fusion welding processes including fiber assembly and alignment
- Used Optical Time Distance Reflectometer to measure loss and trace faults

### REERAS

Nov 2023 - Dec 2023

*Front End Developer Intern*

*Mansoura, Egypt*

- Developed web applications, strengthening teamwork and communication skills
- Initiated personal blog to present projects and demonstrate innovation

## Projects

### Green Defend

*Graduation Project Grade: A+ Excellent*

- Built an AI system for real-time crop disease detection using computer vision and predictive analytics. Recognized for innovation and technical excellence in agri-tech applications.

### Audio to Text Podcast Creator

- The program uses Speech Recognition together with Transformers libraries to perform speech to text conversions.

### Kitchen Wizard

- Recipe recommendation web app with ingredient-based search and inventory management.

### Secure App

- Python encryption tool offers AES-256 secure storage services in combination with password management features.

## Technical Skills

- **Programming:** Python, JavaScript, C#, SQL
- **Security Research:** Malware Analysis, Exploitation on Web Applications, Vulnerability Discovery, Network Anomaly Detection, Reverse Engineering, CTF Experiences

## Awards & Leadership

- **Winner of National Scientific Research Competition:** First-place achievement in Web Technologies category for developing innovative web applications with fortified security frameworks.
- **YLY Program (Ministry of Youth & Sports) :** I performed volunteer work that required more than 40 hours of leadership and community tech activities.