Moustafa Hassan
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Academic Profile

Penetration testing and vulnerability assessment can be done by this cybersecurity expert. Capable of using Burp Suite, Nmap, and Metasploit to locate and use security problems for exploitation. I have experience with Python for both automating security tasks and making secure applications. I have finished my training in ethical hacking and network hacking. I am enthusiastic about finding security threats and giving solid solutions for them. Taking advantage of technical knowledge in penetration testing to boost security within the organization.

Education

Secondary Education (Mathematics Division)
SHAHİD ODA SECONDARY SCHOOL FOR BOYS, Egypt   SEP 2017 – JUL 2020
Graduated with Excellent honors

Bachelor of Engineering in New Electronics and Communications Engineering
Mansoura College, Mansoura, Egypt   OCT 2020 – APR 2025

Professional Experience

Python Virtual Internship   NEURONETIX Company | Online | AUG 2024 – SEP 2024

- Implemented Python-based solution converting audio files to text
- Designed healthy meal recommendation system based on user-provided ingredients

Cyber security Intern   GDG On Campus AOU | DEC 2024 – MAR 2025

- Analyzed website vulnerabilities with Burp Suite during internship
- Implemented skills on live websites to refine knowledge

Communications Intern   WE Telecom | Mansoura, Egypt | MAR 2024
- Facilitated fusion welding processes including fiber assembly and alignment
- Used Optical Time Distance Reflectometer to measure loss and trace faults

Front End Developer Intern REERAS **| Mansoura, Egypt | NOV 2023 – DEC 2023**
- Developed web applications, strengthening teamwork and communication skills
- Initiated personal blog to present projects and demonstrate innovation

Projects

Graduation Project: Green Defend

- The web application including frontend and backend features uses React through its frontend component and implements the backend through ASP.NET Core.

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

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**.**