

Michael Medhat

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CyberTalents
Tryhackme

Experience

Bug Bounty Hunter | Hacker 1:

Jun 2023 – Now

- Conducted security assessments and penetration testing on multiple web apps and APIs.
- Performed targeted testing on authentication mechanisms, data handling, and input validation.
- Leveraged my expertise in network security, web application security, to identify weak points.

Certified Security Mentor | Support:

Oct 2019 – Jun 2023

- Taught Students Network & Web Security (Linux, Vulnerabilities, Pentesting)
- Hosting Capture The Flag Competition

Problem Solver | ACM ASCIS:

Aug 2019 – Feb 2021

- Solving High Level Challenges in C++, Java, and Python Programming Languages
- Solving Problems in the Field of Pointers, Stacks, Data Structures, and Algorithms

Certificates

- **Advent of Cyber:** 25 Day of Security Exercises
- **CCNAv7:** Introduction to Networks + Switching, Routing, and Wireless Essentials
- **Cybersecurity Specialization:** Fundamental Construction of Secure Systems
- **Google Data Analytics:** Spreadsheets, Tableau, SQL, and R
- **PCAP:** Programming Essentials with Python
- Web Development: **Front-End** and Design + **Back-End** and Databases

Projects

True Trace (GP) / Blockchain Web App

- Identify Fake Products Using Blockchain Solidity
- Using Truffle Framework With Web3.js

N-Puzzle Solver / Console App

- Used A* Algorithm with Priority Queue
- Calculated Manhattan & Ham Distances

OWASP Immune / Web Application

- Immune to OWASP Top 10 (Injection, BAC, ...)
- Node.js App Including Verification & Authentication

FOS Kernel Project / Console OS

- Working Sets & LRU with System Calls
- Heap Allocation with Fault Handler

Security Algorithms / C# Console App

- Security Algorithms (Caesar, Hill Cipher, ...)
- Encryption Algorithms (AES, DES, RSA, ...)

HTTP Server / Browser Client Handler

- Handling Client and Server Requests
- Used Multi-threaded Server

Technologies and Languages

- C, C++, C#, Java, PHP, Python, R, MATLAB, SQLite, MySQL
- BurpSuite, Metasploit, Nano, Vim, Nmap, Gobuster, Sqlmap, Ghidra, Valgrind
- Git, AWS, Oracle, Visual Studio Code, MongoDB, Docker, Unix
- .NET Framework, React, Node.js, Express, MVC with C#, Django, Android with Kotlin, Flutter

Education

Ain Shams University

Sep 2019 – Jul 2023

- Bachelor of Computer Science in Information Systems
- GPA: 3.31 (Graduation Project Grade: **A**)