

Michael Medhat Mounir

in LinkedIn
GitHub
Credly

Penetration Tester | Portfolio
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Tryhackme
CyberTalents
HackTheBox

Experience

Bug Bounty Hunter | Hacker 1: Jun 2023 – Oct 2023

- Conducted security assessments and penetration testing on multiple web apps and APIs.
- Performed targeted testing on authentication mechanisms, data handling, and input validation.

Cyber Security Internship | SenseLearner: Aug 2023 – Oct 2023

- Authored detailed reports on the company website including DNS, WHOIS records, ASN information.
- Wrote articles on emerging cybersecurity threats and trends including common tools and websites.
- Engaged in challenging modules on platforms like TryHackMe and HackTheBox, and Cisco Skill.

Defensive Security Internship | Excelerate: Jun 2023 – Jul 2023

- Engaged in knowledge-sharing sessions & discussing security trends with the cybersecurity team.
- Assisted in the analysis of scan results, prioritizing critical vulnerabilities, and recommendations.

Certified Security Mentor | Support: Oct 2019 – Jun 2023

- Taught Students Network & Web Security (Linux, Vulnerabilities, Pentesting).
- Recording and streaming multiple online and offline sessions about various security topics.

CTF Competitor | Multi-Platforms: Oct 2020 – Oct 2023

- Organized and hosted a successful Capture the Flag competition at my local university campus.
- Achieved multiple **Top 3** placements in locally organized CTF competitions.
- Participated in online global CTFs including CyberTalents, CyCTF, HackTheBox, ...etc.
- **Top 1%** on TryHackMe, earned 16 badges in the process also solved **100+** PortSwigger Labs.

Certificates

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|--|---|
| • TCM Practical Ethical Hacker | • OPSWAT Introduction to CIP |
| • Fortinet Certified Fundamentals in Cybersecurity | • C3SA Certified Cyber Security Analyst |
| • Fortinet Certified Associate in Cybersecurity | • Cisco Introduction to Cyber Security |
| • CCNAv7 Networking + Routing & Switching | • Google Data Analytics Specialization |
| • Cybrary Penetration Testing & Ethical Hacking | • Google IT Support Specialization |
| • Cybrary Certified Information Security (CISSP) | • PCAP Institute Python Essentials |
| • Fortinet Network Security Associate (NSE) | • Maryland Security Specialization |
| • THM Advent of Cyber 2021 – 2022 – 2023 | • Michigan Web Design + Web Application |

Education

Ain Shams University Sep 2019 – Jul 2023

- B.Sc. in Computer Science Specialized in Information Systems
- Accumulative GPA: **3.31** with Honors
- Graduation Project Grade: **A+** (True Trace) + Published as a research paper that was honored to be chosen and presented at the prestigious ICICIS2023 Conference organized by IEEE

San George College High School Heliopolis Sep 2016 – Jul 2019

- High School Diploma Total: **94%**

Projects

True Trace (GP) ↗ | Blockchain Web App

- Identified Fake Products with QR Codes Using Blockchain Technology in the supply chain
- Implemented 2 separate Smart Contracts, the 1st for the employee and the 2nd for the company
- Using Truffle Framework, Implementing with Solidity in addition to Web3.js and React

OWASP Immune ↗ | Web Application

- Implemented a Web App Immune to OWASP Top 10 Vulnerabilities (Injection, BAC, Misconfigure, ...)
- Node.js App Including Verification & Authentication with Handled requests & endpoints

Security Algorithms ↗ | C# Console App

- Classical Encryption Algorithms (Ceaser Cipher, Vigenère, Rail Fence, Hill Cipher & Play Fair)
- Advanced Networking Algorithms (AES, DES, Diffie Hellman, RSA, ...)

N-Puzzle Solver ↗ | C# Console App

- Implementing a Tile puzzle game solved using A* Algorithm with Priority Queue as search tree
- Measuring the shortest path for final solution using Manhattan and Hamming distances

FOS Kernel Project ↗ | Console OS

- Implemented a simple OS with Working Sets and LRU Lists for loading pages in the main memory
- Heap Allocation for Page Files in addition to System Calls with Fault Handler

HTTP Messaging Server ↗ | Browser Client Handler

- Implemented a server that accept multiple clients from different threads then connecting to them
- The server receives a request from the client then respond with the appropriate headers

Technologies and Languages

- BurpSuite, Metasploit, Nmap, Amass, Dirbuster, Fuzz, Wireshark, Sqlmap, Ghidra, Valgrind
- C/C++ , C#, Python, Bash Script, Java, JavaScript, PHP, Kotlin, React, Node.js, Express, Django
- .NET Framework, Linux, Git, AWS, Oracle, VS Code, Docker, Windows Active Directory
- Database design and implementation using MySQL / SQLite – Non-relational MongoDB / Firebase
- Blockchain Infrastructure including Truffle framework, Solidity, Web3 and MetaMask