Michael Medhat Mounir

in **LinkedIn**
GitHub
Credly

Penetration Tester | 🗄 **Portfolio**
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Tryhackme
CyberTalents
HackTheBox

Experience

Bug Bounty Hunter | Hacker 1:   Oct 2023 – Dec 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, ASN information.
- Wrote articles on emerging security threats and trends including common tools and websites.

Defensive Security Internship 🔗 | Excelerate: Jun 2023 – Jul 2023
- Engaged in knowledge-sharing sessions & security trends with the cybersecurity team.
- Assisted in the analysis of scan results, 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
- **Top 1%** on TryHackMe, earned **16 badges** in the process also solved **100+** PortSwigger Labs.
- Achieved **Top 3** placements in local and online global CTFs including CyberTalents, CyCTF, …
- Organized and hosted a successful Capture the Flag competition at my local university campus.

IT Support | Military Service: Jan 2024 – Mar 2025
- Managed and maintained IT infrastructure by providing technical support & troubleshooting.
- Using Microsoft tools including Word, Excel & PowerPoint to create advanced documents.

Certificates

- **Security Blue Team Junior Analyst (BTJA)**
- **Fortinet Network Security Associate (NSE)**
- **Fortinet Certified Associate in Cybersecurity**
- **Cybrary Certified Information Security (CISSP)**
- **Cybrary Penetration Testing & Ethical Hacking**
- **TCM Practical Ethical Hacker**
- **OPSWAT Introduction to CIP**
- **CCNAv7 Switching & Routing**
- **C3SA Certified Cyber Security Analyst**
- **Google IT Support Specialization**

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 research paper that was presented at the prestigious ICICIS2023 Conference by IEEE

Technologies and Languages

- BurpSuite, Metasploit, OWASP ZAP, Wireshark, Nmap, Fuzz, Sqlmap, Ghidra, Valgrind
- C/C++ , C#, Python, Bash Script, Java, JavaScript, PHP, MySQL, SQLite, Firebase
- .NET Framework, Linux, Git, AWS, Oracle, Docker, Windows Active Directory
- Blockchain Infrastructure: Truffle framework, Solidity, Ganache, Web3 and MetaMask

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