Michael Medhat Mounir

in LinkedIn   **Penetration Tester** | 📁 **Portfolio**   **Tryhackme**

⌗ GitHub   📞+20 1226908532 | ⚲ Cairo, Egypt   **CyberTalents**

𝓒 Credly   ✉ michael.loka.2001@gmail.com   **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 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 **Top 3** placements in local and online global CTFs including CyberTalents, CyCTF, …
- **Top 1%** on TryHackMe, earned 16 badges in the process also solved **100+** PortSwigger Labs.

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

Certificates

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

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