

Michael Medhat Mounir

in LinkedIn
GitHub
Credly

Penetration Tester
☎ +20 1226908532 | 📁 Portfolio
✉ michael.medhat.luka@outlook.com

Tryhackme
CyberTalents
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Summary

Cybersecurity specialist with 3+ years of hands-on experience in penetration testing, system security, and infrastructure hardening. Graduated from the Faculty of Computer Science at Ain Shams with a CGPA of 3.31. Published IEEE ICICIS2023 research on blockchain security. Ranked Top 1% on TryHackMe and Top 3 in international CTFs. Skilled in offensive/defensive security, SIEM, and security automation. Certified security lecturer, mentor, and team leader.

Experience

- Cyber Security Associate | ITI:** Feb 2025 – Jul 2025
- Immersed in an intensive 4-month program specialized in cybersecurity and networking:
 - Designed secure network architectures, applying CCNA, SOC monitoring, and SIEM event analysis.
 - Managed Red Hat and Windows Server environments, Improving up-time and misconfigurations.
 - Worked with advanced firewalls: FortiGate Security (NSE4), Cisco Firepower Next-Gen Firewall.
- IT Infrastructure Support | Military Service:** Jan 2024 – Mar 2025
- Managed IT infrastructure resolving 100+ technical support tickets and optimized network security.
 - Maintained and optimized critical IT infrastructure to support daily operations.
 - Created over 50 advanced reports and presentations related to management and planning.
- Bug Bounty Hunter | Hacker 1:** Oct 2023 – Dec 2023
- Discovered and reported 3 security vulnerabilities in real-world private programs.
 - Earned Hall of Fame recognition in a security program for responsible disclosure.
- Cyber Security Intern @ SenseLearner:** Aug 2023 – Oct 2023
- Conducted 8 security assessments on company web assets (DNS, WHOIS, ASN analysis).
 - Published 30+ articles on emerging security threats, tools, and best practices.
- Defensive Security Intern @ Excelerate:** Jun 2023 – Jul 2023
- Assisted in analyzing over 500 scan results, identifying critical vulnerabilities and mitigation strategies.
 - Led weekly knowledge-sharing sessions with cybersecurity teams on threat intelligence.
- Certified Security Mentor @ Support:** Oct 2019 – Jun 2023
- Trained 3 classes of 50+ students in Network & Web Security, covering Linux and pen-testing.
 - Delivered and recorded 60 hours of educational security content (online and offline).

Certificates

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

Education

- Ain Shams University** Sep 2019 – Jul 2023
- B.Sc. in Computer Science - Information Systems
 - Accumulative GPA: **3.31** with Honors (Graduation Project Grade: **A+**)
 - Published research paper on blockchain that was chosen to be presented at ICICIS2023 by IEEE

Technologies and Languages

- **Languages:** C/C++ , C#, Python, Bash Script, Java, JavaScript, PHP, SQL, Firebase
- **Tools:** BurpSuite, Metasploit, OWASP ZAP, Wireshark, Nmap, Ghidra, Valgrind
- **Frameworks:** .NET, Linux, Git, AWS, Oracle, Docker, Windows Active Directory
- **Blockchain:** Truffle framework, Solidity, Ganache, Web3 and MetaMask

Projects

True Trace (GP) | Blockchain Web App

- Developed an anti-counterfeiting system, improving supply chain security for 100+ product entries.
- Implemented custom smart contracts for employee and company verification, enhancing data integrity.
- Built with Truffle, Solidity, Web3.js, and React, achieving 99.4% transaction accuracy in test env.

OWASP Immune | Web Application

- Applied a Web App Immune to OWASP Top 10 Vulnerabilities (Injection, BAC, Misconfigure, ...)
- Node.js App Included 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

- Created a Tile puzzle game solved using A* Algorithm with Priority Queue as search tree
- Measured 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 responds with the appropriate headers

Honors and Awards

- Achieved a **C2 Proficiency** level on the EF SET Exam (English First Standard English Test).
- Ranked in the **Top 1%** on TryHackMe, earned **16 badges**, and completed **85 Rooms**.
- **Top 200** on CyberTalents solved **150+ challenges** with a world rank score: **10825**.
- Achieved **Top 3** placements in local and online global CTFs: CairoICT, CyCTF, and SynkCTF.