

Mustafa Mohamed Ibrahim

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SUMMARY

Motivated and highly skilled Cybersecurity Practitioner specializing in penetration testing, red teaming, web application security, and Active Directory exploitation. Strong hands-on experience gained through advanced labs, real-world attack simulations, and internal security projects. Trained in OSCP-level methodologies, web exploitation (eWPT), AD attacks (CRTP), and Python for offensive security. Passionate about offensive operations, vulnerability discovery, and continuous skill development.

EXPERIENCE

Cybersecurity Analyst – Penetration Testing & Red Team Operations

Confidential Organization | Part-Time – Internal Security Projects

2023 – Present

- Performed internal penetration testing tasks including reconnaissance, vulnerability assessment, exploitation, and reporting.
- Conducted web application security testing based on OWASP Top 10 using Burp Suite and manual testing techniques.
- Executed Active Directory enumeration and exploitation techniques including misconfiguration abuse, privilege escalation, and lateral movement (CRTP-level).
- Developed security reports documenting findings, risk levels, and remediation steps following professional PT methodologies.
- Performed network security assessments, identifying weak configurations and opportunities for system hardening.
- Built custom Python scripts to automate reconnaissance and exploitation tasks.
- Participated in continuous offensive security research through labs, platforms, and internal simulations.

Server Administrator

Sun-Rise Hotels Group

June 2024 - Present, Hurghada, Egypt

- Managed servers: Office 365, Suite 8 (Fidelio), Domain/File Servers, Online Interfaces, Shylock Sys, GSC Sys, Inhova (door lock system), FortiGate 100E firewall, E-signature systems, restaurant reservation systems, and more.
- Installed and troubleshot Windows (10/11), Windows Server (2016–2022), SunSystems, SST Systems, SentinelOne EDR, and MS Office.
- Oversaw Outlook setup/troubleshooting, hardware issues, and wireless infrastructure.
- Managed and maintained VMware (ESXi, vSphere) environments.

Network Administrator

Sun-Rise Hotels Group

November 2023 - June 2024, Hurghada, Egypt

- Installed, maintained, and supported LAN/WLAN infrastructure (routers, switches, APs, IP cameras).
- Delivered desktop support for all staff, resolving OS, hardware, and software issues.
- Handled all network requests and incidents across multiple channels (phone, in-person, online).

IT Specialist

Armed Forces Engineering Authority

October 2022 - November 2023, Cairo – Heliopolis

- Provided technical support to users on-site and remotely.
- Installed and maintained computer hardware, software, and peripheral devices.
- Diagnosed and resolved system/network issues to ensure optimal system performance.

EDUCATION

Bachelor of Computer Science

Luxor University – Faculty of Computing and Information • Luxor City • 2022 • 2.89 GPA

CERTIFICATIONS

System Administration Training

Information Technology Institute (ITI), Qena, Egypt • 2022

COURSES

- CEH – Certified Ethical Hacker (Self-Study)
- eJPT – eLearnSecurity Junior Penetration Tester
- OSCP & OSCP+ (Self-Study Track) – Offensive Security Certified Professional Techniques
- eWPT – eLearnSecurity Web Penetration Tester
- eWPTX – Web Application Penetration Tester eXtreme
- CRTP – Certified Red Team Professional
- Python for Cybersecurity & Offensive Automation
- Additional Technical Training:
 - Microsoft Azure Security Basics
 - FortiGate Firewall Essentials
 - VMware vSphere Fundamentals
 - CCNA, CCNP ENCOR Concepts, MCSA Fundamentals

TECHNICAL SKILLS

- Penetration Testing:
 - Web app exploitation, network penetration testing, social engineering basics, vulnerability assessment, exploit development fundamentals.
 - Red Teaming:
 - Active Directory attacks (CRTP), lateral movement, persistence techniques, privilege escalation, internal recon.
 - Tools:
 - Burp Suite, Nmap, Metasploit, BloodHound, Hashcat, Hydra, SQLMap, Impacket, Wireshark, Nessus.
 - Scripting:
 - Python (automation, recon tools), Bash, PowerShell basics.
 - Security Practices:
 - System hardening, report writing, threat modeling, secure configuration auditing.
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ADDITIONAL INFORMATION

- Active on TryHackMe & Hack The Box with continuous offensive security labs.
- Strong interest in red teaming, web exploitation, and real-world attack simulation.
- Continuously building personal security projects and offensive tooling.