MD AZIZUL RAHAMAN

Cybersecurity Analyst | SOC Analyst | Penetration Tester

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PROFESSIONAL SUMMARY

Master's student in Cybersecurity & Network Administration at Touro University with hands-on experience in penetration testing, network security, and ethical hacking. Completed HTB machines (Driver, Sauna, Sau, GoldenEye, Lame), performed full Metasploitable2 penetration tests using PTES methodology, and built security tools in Python. Passionate about SOC operations, threat detection, and red/blue team collaboration. Seeking cybersecurity internship or entry-level SOC/penetration testing role.

EDUCATION

Master's in Cybersecurity & Network Administration

Touro University, Graduate School of Technology | New York, NY *Expected 2026*

Relevant Courses: Ethical Hacking & Penetration Testing, Advanced Cybersecurity, Computer Networking, IT Project Management, AI Principles & Practice

Bachelor of Computer Science (CSE)

Geomatika University College (GUC) | Kuala Lumpur, Malaysia *June 2020*

TECHNICAL SKILLS

Penetration Testing	Metasploit, Burp Suite, Nmap, Hydra, Hashcat, Nikto, SQLMap
Security Tools	Wireshark, Nessus, OpenVAS, OSINT tools, Kali Linux
Networking	TCP/IP, VLANs, Subnetting, OSPF, NAT/PAT, DNS, Firewall config
Cloud & Virtualization	AWS Cloud, VirtualBox, VMware
Programming	Python, Bash Scripting, SQL, HTML, CSS
Frameworks	PTES Methodology, OWASP, NIST, Active Directory
Operating Systems	Kali Linux, Windows Server, Ubuntu

CYBERSECURITY PROJECTS

Metasploitable2 Full Penetration Test

Tools: Kali Linux, Metasploit, Nmap, DVWA | Methodology: PTES

- Conducted full internal network pentest identifying 7 critical/high vulnerabilities including CVE-2011-2523 (vsftpd RCE) and CVE-2007-2447 (Samba RCE) with CVSS scores up to 10.0
- Exploited unauthenticated root backdoor, SQL injection, OS command injection, and XSS vulnerabilities
- Documented findings in professional pentest report following PTES methodology

HackTheBox Machine Walkthroughs

Machines: Driver, Sauna, Sau, GoldenEye, Lame | Platform: HackTheBox

- Completed multiple HTB machines demonstrating enumeration, exploitation, and privilege escalation techniques
- Applied techniques including PrintNightmare, SSRF, command injection, and Samba exploitation

Python Security Tools

- Built port scanner, banner grabber, SSH bruteforce, and vulnerability scanner tools in Python
- Tools available on GitHub: github.com/azizulrahaman

Secure Network Infrastructure Design
- Designed defense-in-depth network for 4 departments with VLANs, stateful firewall, Split DNS, PAT/Static NAT, and ACL rules
- Implemented IPv6 addressing scheme and VPN configuration

WORK EXPERIENCE

Intern — Web Development & IT Support
Center of Emerging Technology & Innovative Application (CETiA) | Kuala Lumpur, Malaysia *June 2020*
- Designed and implemented a secure semester registration system using HTML, CSS, and JavaScript
- Supported front-end security enhancements to protect against common web vulnerabilities
- Provided technical troubleshooting for software applications and networking issues

IT Hardware & Software Support
Thunder Iqra Sdn. Bhd | Kuala Lumpur, Malaysia *October 2019*
- Installed and upgraded computer hardware including SSD transitions for improved performance
- Provided IT support resolving system and network issues

Assistant IT Executive
City Campus Lodge & Hotel | Kuala Lumpur, Malaysia *November 2016*
- Installed and configured hardware, software, and basic network setups
- Monitored IT infrastructure for performance and security updates

CERTIFICATIONS & TRAINING

- Ethical Hacking: Learning Kali Linux for Beginners — Udemy (2025)
- Cyber Security & Ethical Hacking — Arena Web Security (In Progress, Expected 2025)
- 1st International Conference on Emerging Technology & Innovative Applications (ICETiA19) — 2019

LANGUAGES

Bengali (Native) **English** (Full Professional) **Hindi** (Limited Working)