

# Muhammad Hassan Shaikh

Cybersecurity Specialist | VAPT & SOC | Cloud & Automation

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## Skills

**Cybersecurity:** VAPT (Web/App/Network) · Penetration Testing · OWASP Top 10 · Threat Modeling · SOC (L1/2) · SIEM Monitoring (Splunk, Elk) · Incident Response Support · Cost Optimization  
**Cloud Security:** AWS (EC2, IAM, SG, S3) · Azure AD · Microsoft 365 Security · MFA · RBAC · IAM · Device/License Compliance  
**Secure Automation:** Python · PowerShell · Bash · Secure Automation · AI Agent-Assisted Automation · Docker-Based Deployments  
**Security Tools:** Burp Suite · Nmap · Nessus · Metasploit · Wireshark · OWASP ZAP · Splunk (SIEM) · Docker · Git · WSL · Jira · ClickUp  
**Systems & Infrastructure:** Linux (Kali, Ubuntu, Mint, WHONIX), Windows (Server, Pro, Home)  
**Programming Languages:** Python · SQL · PHP · Java · VB.NET · HTML/CSS  
**Soft Skills:** Adaptability Communication · Critical Thinking · Problem-Solving Mindset · Team Collaboration

## Experience

IT Executive (Cybersecurity & IT Support) - SkillGigs / CloudLogically (Full-Time, Remote) Feb 2025 - Aug 2025

- Performed production VAPT and led remediation for high-severity findings.
- Recovered AWS-based outage within 48 hours by analyzing CloudWatch/CLI logs and identifying missing GET headers.
- Improved Microsoft 365 security score by 15% through policy enforcement, MFA adoption, IAM hygiene, and device-level controls.
- Reduced troubleshooting time by 30% across three regions (USA, Pakistan, India) by optimizing remote IT workflows and scripting.
- Built PowerShell/Bash automation for device compliance and endpoint configuration.
- Managed device inventory, Microsoft licensing, user onboarding/offboarding, and endpoint compliance.
- Direct reporting to CloudLogically's CEO on a confidential project
- Direct reporting to IT Administrator in weekly meetings

Cybersecurity Specialist - First Quadrant Labs (Practicum via BIA UK) (Contract, Remote) Feb 2025 - Aug 2025

- Executed Red/Blue Team cryptocurrency exchange simulation to identify attacker TTPs and mitigation paths.
- Led Secure Remote Access for remote staff; integrated encryption, MFA, and privacy controls.
- Demonstrated and mitigated Host Header Injection under controlled testing, enabling secure patch pathway.
- Designed encrypted communication framework for internal confidential data exchange.
- Built consumer-grade internal VPN (no-log, Docker → VM → AWS EC2) to bypass CGNAT securely.

## Key Projects (Internal Tools - Source Confidential)

- SaviourVPN - Consumer-Grade VPN (Docker → Ubuntu VM → AWS EC2)
- AWS Cloud Hosted, Personal/Consumer grade Secure VPN, zero-log, auto-purge, encryption, authentication, IR/DR readiness.
- SaviourPass - Encrypted Password Manager (Python GUI)
- Local Password Manager, secure vaulting, encryption, MFA-ready, safe coding practices, designed for non-technical users.
- SaviourPenTest - Automated VAPT Framework
- Recon → Scan → Exploit → Report workflow; Automated & Manual.
- MailCrypt - Encrypted Email Communication System
- Secure, fully encrypted email communication system, compatible with all email service providers.
- Portfolio Website - A showcase for all my projects, achievements and certifications.
- Bold formal theme, smooth transitions, safe coding practices and cost efficient.

## Certifications and Achievements

- Master Diploma in Cybersecurity & Ethical Hacking - BIA UK (Distinction)
- Certified Ethical Hacking (CEH) - Government of Pakistan (PFTP) (Gold Medalist for Best Performance)
- ISO/IEC 27001:2022 Information Security Associate™ - SkillFront
- ISO/IEC 20000 IT Service Management Associate™ - SkillFront
- ISO 9001 Quality Management Systems Associate™ - SkillFront
- Certified Red Team Operations Management (CRTOM) - SkillFront
- Certified Cybersecurity Educator Professional (CCEP) - SkillFront
- Offensive Agents AI - Red Team Leaders
- Certified Associate in Scrum Fundamentals (CASF) - SkillFront
- Cybersecurity: White-Hat Ethical Hacking - Pirple
- Mastering AI Agents - Udemy
- Red Team Mastery - Udemy
- Intro to Cybersecurity - Cisco
- Ethical Hacker - Cisco (ongoing)

## Education

BSc (Hons) Information Technology - Cybersecurity Concentration Ongoing

- Walsh College - USA | Current GPA: 3.9/4.0
- Relevant Coursework: Cybersecurity, Cyber Threat and Risk Intelligence, Digital Forensics, IT, Business and Management

Master Diploma in Cyber Security and Ethical Hacking Sep 2024 - Oct 2025

- Boston Institute of Analytics - UK | Score: 100/100 | Distinction
- Relevant Coursework: Cybersecurity, VAPT, Offensive and Defensive Security, Security Governance, Reporting

Ordinary and Advanced Levels (GCE) Jun 2019 - Jun 2024

- The City School DK Campus - PAK
- Relevant Coursework: Computer Science Focus