

ANUBHAB MUKHERJEE

Associate Consultant | OSCP+ Certified

📍 Kolkata, India (Willing to Relocate Globally)
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✈ Mobility: Global

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PROFESSIONAL SUMMARY

Results-driven and OSCP+ certified Cybersecurity Analyst with proven expertise in Red Team operations, vulnerability assessments, penetration testing, and incident response. Adept in web, mobile, and API security testing, infrastructure penetration testing, Active Directory attacks, and firewall audits. Demonstrates strong programming and scripting capabilities with Python, Bash, and C. Recognized for successfully leading high-impact engagements across Financial Services, Government, and diverse industry sectors. Open to work and relocate anywhere in the world. Seeking to contribute security expertise and proactive risk mitigation strategies to strengthen enterprise cyber resilience.

PROFESSIONAL EXPERIENCE

Associate Consultant – Tech Consulting

Oct 2025 – Present

Ernst & Young LLP | Kolkata, India

- Delivered end-to-end VAPT for Web, Android, and API applications, uncovering critical vulnerabilities.
- Conducted infrastructure penetration testing across internal networks and cloud assets to identify hardening failures.
- Performed configuration reviews of firewalls and network devices to detect security gaps against industry benchmarks.
- Worked with Financial Services (FS) and Non-FS clients, aligning testing with industry-specific standards.
- Provided detailed risk assessment reports with technical and executive-level presentations.
- Conducted External Red Teaming Assessment on Client's external Applications to simulate realistic attack scenarios.
- Served as the Single Point of Contact (SPOC) for client engagements, coordinating prerequisites (scope, whitelisting, credentials) to ensure timely project kick-offs.
- Managed end-to-end client communication, translating technical findings into actionable business insights during final presentations.

Senior Analyst – Tech Consulting

Feb 2025 – Sep 2025

Ernst & Young LLP | Kolkata, India

- Delivered end-to-end VAPT for Web, Android, and API applications, identifying business logic flaws.
- Conducted infrastructure penetration testing across internal networks and cloud assets.
- Performed comprehensive configuration reviews of firewalls and network devices to eliminate security gaps.
- Collaborated with Financial Services (FS) and Non-FS clients, tailoring testing methodologies to meet standards.
- Authored and presented detailed risk assessment reports to technical teams and executive leadership.
- Conducted External Red Teaming Assessment on Client's external Applications to simulate realistic attack scenarios.
- Served as the Single Point of Contact (SPOC) for client engagements, coordinating prerequisites (scope, whitelisting, credentials) to ensure timely project kick-offs.
- Managed end-to-end client communication, translating technical findings into actionable business insights during final presentations.

Information Security Analyst – R&D

May 2024 – Jan 2025

MFILTERIT | Noida, India

- Automated vulnerability scans for web and infrastructure using custom tools and scripting (Python/Bash).
- Executed OSINT and breach monitoring for real-time risk mitigation and brand protection.
- Developed malware and phishing simulations capable of bypassing modern AV solutions and Google Play Protect.
- Secured AWS environments while ensuring adherence to ISO 27001 compliance frameworks.
- Authored Python and Bash scripts to streamline VAPT and incident response workflows.

ADDITIONAL EXPERIENCE

Consultant – Research & Development (Freelance)

Feb 2024 – May 2024

MFILTERIT | India

- Built custom OSINT tools to gather and process threat intelligence, enhancing data collection capabilities.
- Handled breach alerts and exposure analysis, significantly reducing attacker dwell time through rapid response.

Team Lead – CyRaksha (Freelance)

Jul 2023 – Dec 2023

ISOAH Data Securities Pvt. Ltd | Kolkata, India

- Deployed and hardened AWS EC2 instances; configured WAF rules to defend against common web attacks.
- Led CTF events for 150+ participants, designing and emulating real-world attack simulations.
- Designed secure LAN architecture for a 6000 sq. ft. corporate infrastructure, ensuring segmentation.
- Utilized Wireshark, Snort, and Bettercap for real-time network threat detection and mitigation.

Cybersecurity Intern (Intern)

May 2023 – Nov 2023

Defence Research and Development Organisation (DRDO) | Delhi, India

- Conducted penetration testing on classified government systems, adhering to strict confidentiality protocols.
- Applied Red and Blue Team techniques, including Active Directory exploitation and defense hardening.
- Used Nmap, Burp Suite, Nessus, ZAP, and Acunetix for comprehensive vulnerability identification.
- Authored a research thesis on advanced vulnerability management and risk prioritization.

SKILLS & EXPERTISE

Security Testing & Red Teaming: Vulnerability Assessment and Penetration Testing – VAPT (Web, Android, API, Network) | Infrastructure Pentest | Active Directory Attacks

Automation & Scripting: Python | Bash | Java | C/C++ | Ducky Script

Cloud & Infrastructure: AWS EC2, IAM | Linux Hardening | Firewall Configuration

Security Tools: Burp Suite Pro, Metasploit, Cobalt Strike, Nessus, Nmap, ZAP, Acunetix, Magnet Axiom, Wireshark, Snort, Frida, Objection,

Standards/Frameworks: Owasp top 10 | MITRE ATT&CK | NIST

Consulting: Vulnerability Reporting | Client Presentation | Project Delivery | Stakeholder Management

EDUCATION

B.Tech in Computer Science and Engineering

Nov 2020 – Jun 2024

MCKV Institute of Engineering | Howrah, India CGPA: 8.63

CERTIFICATIONS

- **OSCP+ (Offensive Security Certified Professional)** – Offensive Security (Jan 2025)
- **ISO 42001:2023 Lead Auditor** – BSI (May 2025)
- **Certified AppSec Practitioner** – (Jan 2023)
- **Certified Ethical Hacker (CEH v12)** – EC-Council (Valid until Apr 2026)

ACHIEVEMENTS & RECOGNITION

- Speaker at NASSCOM NASTech 2023, ABP Infocom 2023, and FSAI 13th Anniversary 2024.
- Panelist at Future Crime Summit 2024 and ABP Infocom.
- Champion – ABP Infocom Hackstar 2022. Winner – IET PATN 2024.
- Collaborated with Indian Army, Cyber Police, and STF on threat intelligence initiatives.