PRATHAMESH KHANVILKAR

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EDUCATION: Bachelor of Computer engineering - Mumbai University, 2023

SUMMARY

Cybersecurity professional specializing in penetration testing and red team operations, with expertise in discovering critical vulnerabilities across networks and applications. Skilled in malware analysis, threat simulation, social engineering, and custom red team tool development, with findings aligned to MITRE ATT&CK and OWASP. Focused on delivering actionable security improvements that strengthen defenses against evolving cyber threats.

WORK EXPERIENCE

Cybersecurity Analyst - Secure Logic   **Feb 2025 - Present**

- Performed black-box penetration testing on enterprise networks and web applications, exploiting critical vulnerabilities (authentication bypass, injection flaws, misconfigurations) that could lead to full system compromise.
- Conducted network segmentation testing and red team assessments (adversary simulation, phishing campaigns, awareness exercises), uncovering access control gaps, misrouted traffic, and resilience weaknesses across critical assets.
- Designed and developed custom red team tools and projects, replicating real-world adversarial techniques to enhance offensive security operations and threat simulation capabilities.
- Performed malware analysis on suspicious executables and payloads to identify functionality, persistence, and objectives, strengthening incident response.

Security Consultant & Penetration Tester - Zapbuild   **Aug 2023 - Feb 2025**

- Conducted **50+** web app & network security assessments, combining automated and manual exploitation.
- Discovered RCE, IDOR, SQLi/XSS, Broken Authentication, and Sensitive Data Exposure, some leading to full system compromise.
- Delivered developer-friendly reports with CVEs, CVSS scoring, PoCs, and mitigation strategies.
- Built custom red team tools (BadUSB payload generator, Wi-Fi exploitation toolkit) and executed adversary simulations to test organizational resilience.

SKILLS

- Web application security
- Vulnerability assessment and penetration testing
- Network penetration testing
- Red teaming operations
- Malware analysis and detection

- Burp Suite expertise
- Open source tools proficiency
- Vulnerability scanning tools
- Network security tools
- Shell Scripting & Python Programming

CERTIFICATION

- PT1 - TryHackMe certified pentester
- eJPT v2 - eLearn certified pentester

- CNSP - Secops group
- Preparing for OSCP/CRTP

ACCOMPLISHMENTS

- Recognized in **Top 10 Hall of Fame** by Bullish Exchange and achieved **Hall of Fame** status with Traffic Junky.
- Earned **100%** client satisfaction with formal appreciation for delivering impactful security assessments.
- Ranked in the **Top 3%** on TryHackMe and achieved **#3** in TryHackMe League, consistently excelling in advanced labs and challenges.
- Discovered and reported multiple **vendor** product vulnerabilities during client penetration tests.