Tulasi Sai Charan Sharma Gaddam Cyber Security (Red Team)

Goddamtulasisaicharansharma@gmail.com | (475) 317-4696 | USA | LinkedIn | Portfolio | GitHub

Summary

Cybersecurity professional with 4+ years of combined experience in offensive security, penetration testing, and red team operations, specializing in real-world adversary emulation, vulnerability exploitation, and attack simulation across web, API, network, wireless, mobile, and cloud environments. Strong hands-on expertise with MITRE ATT&CK-aligned red teaming, OWASP Top 10, API security, wireless attacks, and phishing simulations. Proven ability to document risk, communicate findings to stakeholders, and collaborate with blue teams to improve enterprise security posture.

Technical Skills

- **Offensive Security & Red Teaming:** Red Team Operations, Adversary Emulation, Attack Simulation, Web, API, Network, Mobile, Wireless & Cloud Penetration Testing, MITRE ATT&CK, OWASP Top 10, OWASP API Top 10, Credential Access, Privilege Escalation, Lateral Movement
- **Red Team & Exploitation Tools:** SQLMap, Amass, Burp Suite, Nmap, Mimikatz, Hashcat, John the Ripper, Cobalt Strike, Empire Impacket, Responder, Gophish (Phishing & Social Engineering Campaigns)
- **Wireless & Hardware-Based Penetration Testing:** Wi-Fi Penetration Testing & Wireless Attack Simulation
- Hardware Platforms: Raspberry Pi, WiFi Pineapple, Android Devices (Rooted Testing Environments), NodeMCU / ESP-based Devices, Techniques: Rogue AP, Evil Twin, Credential Capture, Packet Injection
- **API & Application Security:** Postman, SoapUI, API Fuzzing**,** JWT / OAuth Exploitation**,** REST, GraphQL, JSON, XML
- **Mobile Application Security:** MobSF, Genymotion, ADB Shell**,** Frida, Objection, Drozer**,** APKTool, Quark, Inspeckage, Xposed
- **Digital Forensics & Incident Response:** EnCase, FTK, Cellebrite UFED**,** Autopsy, Sleuth Kit, Magnet AXIOM**,** Volatility, Redline, Oxygen Forensics
- **Cloud & Containers:** Docker**,** AWS, Azure, GCP (Foundational Security)
- **Programming & Scripting:** Python, JavaScript, Bash

Professional Experience

Cybersecurity Red Team Analyst, Palo Aalto Networks **01/2025 – Present | Remote, USA**

- Conduct advanced red team and penetration testing engagements simulating real-world adversary behavior across web, API, network, wireless, and cloud environments.
- Perform MITRE ATT&CK-aligned attack simulations including credential harvesting, lateral movement, privilege escalation, and data exfiltration.
- Utilize Cobalt Strike, Empire, Impacket, Responder, Mimikatz, and Hashcat to validate attack paths and credential access scenarios.
- Execute web, API, and SQL injection testing using Burp Suite, SQLMap, Postman, and manual exploitation techniques.
- Conduct wireless penetration testing using WiFi Pineapple, Raspberry Pi, and Android-based testing platforms.
- Deliver executive-ready penetration testing reports with risk scoring, attack narratives, and remediation guidance.

Penetration Tester, HCL Technologies. **07/2022 – 01/2024 | INDIA**

- Performed full-scope penetration testing across web applications, APIs, internal networks, and wireless environments.
- Executed phishing and social engineering simulations using Gophish to assess user awareness and control effectiveness.
- Conducted mobile application security assessments using MobSF, Drozer, Frida, and reverse-engineering tools.
- Supported forensic investigations and post-incident analysis using Volatility, Autopsy, and FTK.
- Produced detailed technical reports aligned with professional penetration testing standards.

Cybersecurity Analyst, IBM India. **09/2021 – 06/2022 | INDIA**

- Supported offensive security testing initiatives and assisted SOC teams in evaluating detection and response effectiveness.
- Conducted API fuzzing, authentication testing, and reconnaissance using Burp Suite, Amass, Postman, and Nmap.
- Assisted in threat modeling, attack path analysis, and incident response tabletop exercises.
- Documented findings aligned with enterprise security and compliance requirements.

Jr. Penetration Tester, Deloitte India. **08/2020 – 09/2021 | INDIA**

- Conducted web and network penetration testing using Burp Suite, OWASP ZAP, Nmap, Nessus, and Metasploit.
- Performed password cracking and credential analysis using Hashcat and John the Ripper.
- Assisted in wireless security assessments and basic attack simulations.
- Created proof-of-concept exploits and documented remediation recommendations.

Education

Master's in Cybersecurity
Sacred Heart University 03/2024 – 06/2025 | MO, USA

Bachelor's in Computer Science
Malla Reddy College of Engineering 06/2018 – 03/2022 | HYD, INDIA