Alen Sarang Satheesh

Penetration Tester

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PROFESSIONAL SUMMARY

Highly motivated and self-taught Security Researcher with a Bachelor's in Computer Applications (BCA). Proven expertise in manual web application penetration testing, Python scripting, and security tool development. Adept at identifying and exploiting high-severity vulnerabilities, including Cross-Site Scripting (XSS), Cross-Site Request Forgery (CSRF), and Cross-Origin Resource Sharing (CORS), through thorough security assessments and source code review. Committed to continuous upskilling through PortSwigger Academy, bug bounty programs and independent research to anticipate and mitigate emerging threats.

TECHNICAL SKILLS

- **Core Competencies:** Manual Penetration Testing.
- **Security Tools:** Burp Suite, Nmap, other pentesting tools.
- **Programming:** Python (Automation/Scripting), HTML/JavaScript, Bash.
- **Operating Systems:** Linux (Kali), Windows.

KEY SECURITY EXPERIENCE

Web Application Penetration Assessment   **February 2026**

- Performed a rigorous black-box penetration test on www.xyx.com to evaluate the security posture of the e-commerce platform.
- Identified and exploited a High-Severity Reflected Cross-Site Scripting (XSS) vulnerability in the checkout error handling system (/checkout/index.php), utilizing custom JavaScript payloads to demonstrate session hijacking risks.
- Uncovered a Critical Cross-Site Request Forgery (CSRF) flaw in the contact form, successfully bypassing CAPTCHA protections by manipulating POST parameters to automate unauthorized submissions.
- Detected a Permissive CORS Policy (Access-Control-Allow-Origin: *) that allowed arbitrary cross-origin requests, creating potential data leakage risks when combined with other vulnerabilities.
- Documented findings in a professional report, including technical proofs-of-concept (PoC), CVSS severity estimates, and detailed remediation strategies for the development team.

DEVELOPMENT & SECURITY PROJECTS

- **Burp Suite Logger Extension:** Developed a custom extension for Burp Suite to enhance HTTP traffic analysis and logging, streamlining the debugging process during penetration tests.
- **Automated Human-Like WhatsApp Sender:** Engineered a Python-based bulk messaging tool that mimics human typing patterns and behavior to bypass anti-spam filters and detection mechanisms.
- **Swing Trading Competition Platform:** Built a competitive trading website, managing real-time data updates and user leaderboards to simulate stock market environments.
- **Chrome Browser Extension:** Created a custom Google Chrome extension to automate specific browser tasks, demonstrating proficiency in JavaScript and DOM manipulation.

EDUCATION

Bachelor of Computer Applications (BCA) Bangalore North University   **2020 − 2023**

- **Independent Security Research:**
  - **PortSwigger Web Security Academy:** Actively completing labs on all client side and server side vulnerabilities.
  - **Self-Directed Learning:** Leveraging LLMs and security research content (YouTube/Blogs) to master modern exploitation techniques and tool usage.