Muhammed Mishal E

web application penetration tester

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Summary

Experienced Security Researcher & Web Application Penetration Tester with a proven track record of discovering and responsibly reporting critical vulnerabilities across government assets internationally.

Experience

finance ministry   India
penetration tester

• Conducted an authorized penetration test on financialservices.gov.in and identified a

discrepancy in request parsing between front-end and back-end that was chained into a major security flaw (HTTP request smuggling vulnerability).

• Developed a reliable exploit chain that allowed server-originated requests to protected endpoints.

• Reported findings and remediation; recognised in the Hall of Fame (Award: 2025).

ministry of education   Singapore
penetration tester

• Performed an authorized assessment of educational infrastructure and discovered a critical Server-Side Request Forgery (SSRF) leading to possible remote code execution (RCE).

• Delivered technical report with PoC, root cause analysis, and mitigation recommendations to the client.

Projects

KILLTHEPARSER
Out of band vulnerability testing tool
🔗 https://github.com/mishal-zero/mishal-zero

• Implemented in Python with a Tkinter UI to automate out-of-band testing across crawled URLs and parameters.

• Injects user-specified payloads into every discovered parameter and monitors for OOB callbacks, reducing manual testing time by \~85%.

• Targets blind/out-of-band classes of bugs: blind OS command injection, blind XSS, blind SSRF — and other blind parameter-based injections.

• Source code & releases available on GitHub: github.com/mishal-zero/killtheparser .

Skills

Languages:
Python, Javascript

Technologies & Tools:
Burp Suite · Metasploit · Wireshark · OWASP Top 10

Cyber Skills:
• Web application penetration testing • API security testing • Security automation (Python) • Risk assessment & security research • Exploit chaining (HTTP request smuggling, SSRF)

Certifications

certification
🔗 https://elearningunodc.org/admin/tool/certificate/index.php

United Nations Office on Drugs and Crime (UNODC) - Transnational Organised Crime course completion.

ID:2507206903ME

Awards

Hall of Fame Award:
India govt
🔗 https://www.cert-in.org.in/Hallof_Fame.jsp

Listed in September 2025 for contribution to the security of Indian

government's financial services.