Ranjan Kumar

Cybersecurity Intern | Web Pentesting & Bug Bounty

@ ranjan.osint@gmail.com ☎ +91 9279775832 in LinkedIn ⑂ GitHub ⊙ India

SUMMARY

Cybersecurity Analyst with hands-on experience in web application penetration testing, CTFs, and bug bounty. Reported 10+ validated vulnerabilities on Bugcrowd and Intigriti (95% success rate). Skilled in Burp Suite, Nmap, Nessus, and vulnerability assessment techniques. Strong knowledge of OWASP Top 10, including XSS, IDOR, CSRF, and SSRF. Passionate about ethical hacking, exploit development, and AI-driven security tools.

EDUCATION

Bachelor of Computer Application   9.1/10
I.K. Gujral Punjab Technical University

📅 August 2023 - June 2026   ⊙ Amritsar, Punjab

EXPERIENCE

Freelance Web Application Penetration Tester
Bugcrowd / Integrity

📅 October 2023 - Present   ⊙ Remote

- Reported 10+ valid bugs on Bugcrowd & Intigriti (95% success rate).
- Found OWASP Top 10 issues: XSS, IDOR, CSRF, SSRF, Auth Bypass.
- Used Burp Suite, Nmap, Dirbuster, Python scripts for recon & exploitation.
- Built AI tools for payload automation and CVE reproduction.

Cyber Security Intern
Redynox

📅 August 2025 - Present   ⊙ Remote

- Selected for cybersecurity internship focusing on web application pentesting & OWASP Top 10 vulnerabilities.
- Will work on real-world projects using Burp Suite, Nmap, Nessus, and responsible disclosure practices.

Web Pentester (Training + Practical)
Drop

📅 Jan 2023 - July 2023   ⊙ Remote

- Completed advanced labs on Burp Suite, Authentication Bypass, Input Validation, File Upload, and Access Control.
- Worked in simulated environments to exploit real-world vulnerabilities.
- Participated in live capture-the-flag (CTF) scenarios and ethical hacking challenges.
- Earned "Drop Certified Security Course" credential.

PROJECTS

AI-Powered Email Spam Checker – Pro
Python, Tkinter, Regex, langdetect (NLP), VirusTotal API, Requests
🔗 https://github.com/ghostempireis/AI-Powered-Projects/tree/main/AI-Powered-Email-Spam-Checker_pro
Developed a GUI tool to detect spam/phishing emails with multi-language keyword analysis (EN, HI, AR, ES) and URL heuristics. Integrated VirusTotal API for malicious link checks; supports live and batch scanning with Tkinter interface.
Tech used: Python, Tkinter, Regex, langdetect, Requests, VirusTotal API.

Mr. Robot CTF – Vulnhub
Realistic Penetration Testing & Report Writing
🔗 https://github.com/ghostempireis/VulnMachines-Reports/tree/main/MrRobot-Penetration-Test
Conducted full black-box penetration test using Nmap, DirBuster, Burp Suite, WPScan, and Nessus. Brute-forced WordPress credentials, achieved remote shell access, and escalated privileges to root. Delivered a detailed penetration testing report with CVE mappings and remediation strategies.

AI-Powered XSS Payload Generator
Python + GPT

🔗 https://github.com/ghostempireis/AI-Hacker-Lab/tree/main/projects/AI_XSS_Payload_Generator

A Python-based AI-inspired script that auto-generates obfuscated and mutated Cross-Site Scripting (XSS) payloads.
Designed for bug bounty hunters and ethical hackers to help bypass basic filters and WAFs.

AI-Powered Recon Tool
Python

🔗 https://github.com/ghostempireis/AI-Hacker-Lab

Developed an AI-powered reconnaissance tool to automate subdomain discovery, banner grabbing, and port scanning. Integrated OpenAI API for smart prompt-based payload generation. Used requests, socket, and argparse modules for extensibility.

SKILLS

Web Application Pentesting: XSS, CSRF, IDOR, Open Redirects, SQLi, Auth Bypass

Tools & Frameworks: Burp Suite Pro, Nmap, DirBuster, WPScan, Nessus, etc

Bug Bounty Platforms: Bugcrowd, Intigriti, OpenBugBounty

Automation & AI: Prompt Engineering, GPT API Integration, Recon Tools

Operating Systems: Kali Linux, Parrot OS, Windows   Programming & Scripting: Python , HTML , CSS , C/C++

Reporting: Vulnerability Documentation, PoC Creation, Mitigation Advice

Standards & Methodologies: OWASP Top 10, Responsible Disclosure, Black-Box Testing

CERTIFICATIONS

Drop Certified Security Course
The Drop Organization

Red Hat Enterprise Linux
MindLuster.com

Cyber Security Management Job Simulation
Forage

Cybersecurity Job Simulation Program
Forage

Cyber Security
Tech Mahindra Foundation

Authentication & Authorization
Amazon Web Services