Rishi Kalra

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SECURITY RESEARCH & VULNERABILITY DISCLOSURE

Independent Security Researcher
2021 – Present

Bug Bounty & Zero-Day Discovery
Remote

- Discovered and disclosed 204+ vulnerabilities through public bug bounty programs across diverse targets including e-commerce platforms, healthcare applications, and enterprise SaaS
- Submitted high-quality reports to multiple major companies including Air France-KLM (10 findings including 3 SSRF) earning Hall of Fame from DBT Labs and European Broadcasting Union
- Identified CVE-2025-65112: Authentication bypass (CVSS 9.4) through source code review
- Specialized in discovering business logic flaws, API security issues, SSRF, and injection vulnerabilities through systematic analysis of application behavior and request flows
- Discovered widespread misconfiguration pattern in popular chat platform SDK implementations; automated detection found 80% of tested targets vulnerable
- Bypassed AI safety controls via prompt injection to force code generation of malicious C2 server, then achieved execution through Git hooks exploitation
- Developed reconnaissance methodology for identifying overprivileged APIs and chaining them with other vulnerabilities to achieve RCE on medical research platform
- Published detailed writeups on Medium

HackTheBox Platform – CTF Challenges
2021 – 2023

Global Rank #455 (Top 500 out of 700,000+ users) through complex exploitation and multi-stage attack chains

SECURITY TOOLS & PROJECTS

ViralVault | *Advanced Web Application Security Lab*
GitHub

- Intentionally vulnerable platform for intermediate-advanced researchers; 9+ vulnerabilities for technique validation

Security Automation Toolkit | *Python*
GitHub

- Built scalable reconnaissance tools: DNS zone transfer, AWS S3 scanner, subdomain takeover analyzer, custom enumeration scripts

PROFESSIONAL EXPERIENCE & ACHIEVEMENTS

Microsoft FRT Internship Program
Dec. 2023 – Sep. 2024

Azure Security & Cloud Architecture
Remote

- Hands-on experience with Azure security architecture, Key Vault, Azure Functions, and secure deployment practices

Ethical Hacking Training
March 2024 – April 2024

CFSS Cyber Forensics Security Solutions
Remote

- Completed 30+ penetration testing scenarios covering reconnaissance, exploitation, and post-exploitation

CERTIFICATIONS

CompTIA Security+ (SY0-701)
Credly

CompTIA

Foundations of Cybersecurity
Coursera

Google

Hacking and Patching
Coursera

University of Colorado

TECHNICAL SKILLS

Vulnerability Research: OWASP Top 10, SSRF, RCE, Authentication Bypass, Business Logic Flaws, Prompt Injection, Supply Chain Security
Security Tools: SAST/DAST, Burp Suite Professional, Metasploit, Nmap, SQLmap, Wireshark, Python automation
Programming: Python, JavaScript, Bash, C/C++
Technical Writing: Security advisories, exploitation write-ups, published on Medium