

Shlok Kumar

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LinkedIn — CTFtime — GitHub — Bugcrowd — Medium

Summary

Cybersecurity researcher and penetration tester with proven experience in vulnerability assessments, bug bounty programs, and capture-the-flag (CTF) competitions. Skilled in secure application development, red team operations, and vulnerability research. Recognized for innovation in cybersecurity, strong problem-solving skills, and success in competitive hacking environments.

Technical Skills

- **Programming Languages:** Python, C++, MySQL
- **Security Tools:** Burp Suite, Nmap, Metasploit
- **Operating Systems:** Linux (Ubuntu, ParrotOS), Windows
- **Frameworks/Technologies:** Flask, SQLite, OWASP
- **Domains:** Web Application Security, Android Application Security, Penetration Testing, Vulnerability Assessment

Education

Degree/Level	Year	Institution/Performance
B. Tech (CSE) Core	2023-Ongoing	Vellore Institute of Technology, Bhopal (CGPA: 8.4/10)
Class XII	2023	SKP Vidya Vihar, Bhagalpur, Bihar (74.3%)
Class X	2021	St. Teresa School, Bhagalpur, Bihar (94.8%)

Experience

Freelance Security Researcher Bugcrowd, HackerOne, Intigriti
May 2021 – Present

- Reported over 200 validated vulnerabilities in web and Android applications.
- Strengthened security posture of multiple organizations through coordinated disclosure.

Security Research Intern (Red Team) Defhawk
Jun 2025 – Aug 2025

- Conducted red team operations and performed regular vulnerability assessments.
- Assisted in identifying gaps in enterprise security infrastructure.

Ambassador Infosec Writeups Publication
Apr 2023 – Present

- Collaborated with the back-end team on newsletter publishing and CTF content development.

CTF Player National CTF Team T.U.S.K
Mar 2024 – Present

- Achieved **World Rank 3** and **India Rank 1** in Quescon CTF.

- Ranked **8th nationwide** at Pentathon by AICTE and NCIIPC 2025.

CTF Player
Mar 2025 – Present

International CTF Team Lil L3ak

- Compete as part of Lil L3ak, a subsidiary of world top-5 CTF team L3ak.

Challenge Developer
2024 – Present

CyberConclave, WiCys CTF, CSAY CTF (BPRD), Bsides Agra

- Designed and deployed CTF challenges to train and evaluate cybersecurity skills.

Secretary
2024 – Present

OWASP VIT Bhopal

- Coordinated events to promote cybersecurity awareness and hands-on learning.

Projects

- **Darpan: Deepfake Detection System** – Built an AI-powered platform to detect deepfake images/videos and verify integrity using cryptographic algorithms in Python and Flask.
- **CiteKnight** – Developed a gamified moderation tool for Wikipedia editors to ensure edits comply with community guidelines. Won **1st Prize** at HackQuest Hackathon.

Achievements

- Featured in multiple Hall of Fame acknowledgements and received bounties/swags from organizations including Indian Government, Google, Lenskart, Unilever, Ifixit, Philips, Droom, Doubtnut, Takeaway, OfficeDepot, BigCommerce, ScholarFundwa, BoAt, BetterHelp, Ovo Energy, Indeed, Bullish Inc, and others.
- **CTF Highlights:** SecVIT (1), Offline CTF (AISS by DSCI 10), Vulncon CTF (9), Infinity CTF (18 Globally), Pentathon (10), CyberSecureX (3), HICA CTF(1) and more.

Co-Curricular Activities

- Represented VIT Bhopal as a volleyball player in Aarambh 2023 inter-college league.
- Performed as a guitarist at multiple college cultural events.

Hobbies and Languages

- **Hobbies:** Bug Bounty, CTFs, Cricket, Volleyball, Music
- **Languages:** English, Hindi