

# Shlok Kumar

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LinkedIn — CTFtime — GitHub — Bugcrowd — Medium

## Summary

Computer Science undergraduate and cybersecurity researcher with proven experience in software development, penetration testing, and vulnerability research. Strong foundation in data structures, algorithms, and full-stack development. Achieved top international CTF rankings and contributed to open-source security initiatives.

## 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

<b>Freelance Security Researcher</b>	<i>Bugcrowd, HackerOne, Intigriti</i>	May 2021 – Present
<ul style="list-style-type: none"><li>• Reported <b>200+ validated vulnerabilities</b> in web and Android applications, strengthening security for organizations including Google, Philips, and Unilever.</li><li>• Conducted penetration tests and vulnerability assessments, collaborating with global security teams for responsible disclosure.</li></ul>		
<b>Security Research Intern (Red Team)</b>	<i>Defhawk</i>	Jun 2025 – Aug 2025 (Offer Received)
<ul style="list-style-type: none"><li>• Executed red team operations and vulnerability assessments to uncover gaps in enterprise infrastructure.</li><li>• Documented and presented findings, helping reduce security risk exposure across internal systems.</li></ul>		
<b>Ambassador</b>	<i>Infosec Writeups Publication</i>	Apr 2023 – Present
<ul style="list-style-type: none"><li>• Designed backend workflows for newsletter publishing and contributed CTF-based content to engage 500+ readers monthly.</li></ul>		
<b>Secretary</b>	<i>OWASP VIT Bhopal</i>	2024 – Present
<ul style="list-style-type: none"><li>• Organized cybersecurity workshops and awareness events with 200+ participants, promoting secure coding practices.</li></ul>		

## Projects

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- **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

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- 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), Pentathlon (10), CyberSecureX (3), HICA CTF(1) and more.

## Co-Curricular Activities

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- 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

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