

Shankar Adhikary

Cybersecurity / Full Stack Development / AI/ML

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Professional Summary

Passionate cybersecurity enthusiast and aspiring Red Team specialist pursuing BTech in Cybersecurity at Rashtriya Raksha University. Experienced in penetration testing, full-stack development, and AI/ML applications for security. Active open-source contributor and Campus Lead at Open Source Connect Global 2026, dedicated to fostering innovation and collaboration within the developer community.

Education

Bachelor of Technology in Cybersecurity — Rashtriya Raksha University (2025–2029)
Specializing in Red Team operations, Network Security, Cryptography, and Security Research.

Experience

Campus Lead — Open Source Connect Global 2026 (2025–Present)

- 1 Leading open-source initiatives at RRU, organizing workshops and hackathons
- 2 Mentoring aspiring developers in contributing to global open-source projects
- 3 Fostering a culture of collaboration and innovation within the campus community

Open Source Contributor — Open Source Connect (2025–Present)

- 1 Active contributor to security tools and frameworks
- 2 Developing security-first solutions for community-driven projects
- 3 Implementing best practices in cybersecurity across open-source repositories

Technical Skills

Cybersecurity	Red Teaming, Penetration Testing, Vulnerability Assessment, Cryptography, Network Security
Development	Python, JavaScript, React, Next.js, Node.js, HTML/CSS, REST APIs, MongoDB, SQL
AI/ML	Machine Learning, Deep Learning, TensorFlow, NLP, LLM Integration
Tools	Burp Suite, Wireshark, Metasploit, Nmap, Kali Linux, Git, Docker, VS Code
Platforms	Linux, Windows, AWS, Vercel, GitHub Actions, CI/CD
Creative	Photography, Videography, Adobe Lightroom, Video Editing, Color Grading

Featured Projects

Open Source Connect Platform — React, Node.js, MongoDB
Platform connecting developers with open-source projects worldwide.

RedTeam Toolkit — Python, Bash, Kali
Comprehensive suite of penetration testing tools for security assessments.

Threat Detector AI — TensorFlow, Python
ML model for real-time threat detection and anomaly analysis in network traffic.

SecureVault — Rust, WebAssembly
End-to-end encrypted password manager with zero-knowledge architecture.

Certifications & Achievements

- 1 Fundamentals of MCP — Model Context Protocol Certification
- 2 Shaastra 2026 — Cybersecurity Participation, IIT Madras
- 3 Open Source Contributor — OSC Global 2026 Recognition
- 4 Campus Lead — Open Source Connect Global 2026

Interests

Cybersecurity Research, CTF Competitions, Open Source Development, Photography (Pixelverse Cinematography), Astrophotography, AI Ethics, Tech Community Building