

Nikhil Kumar Yadav

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Summary

Motivated third-year B.Tech CSE student with a strong interest in cybersecurity and defensive thinking. Demonstrates a detail-oriented mindset, eagerness to learn, and a disciplined approach to solving security challenges. Seeking an internship or entry-level role in cybersecurity to gain real-world exposure and contribute within a collaborative team environment.

Technical Skills

Security Tools: Metasploit Framework, Wireshark, Burp Suite, Nmap, Splunk

Programming: Python, C, C++, JavaScript, HTML, Flask

Security Domains: Ethical Hacking, Web Application Security (SQLi, XSS, Authentication Flaws), Penetration Testing, Vulnerability Scanning, Network Security, Wi-Fi Penetration, IoT Security, Cryptography, OWASP Top 10, SIEM & Log Analysis: Splunk (malware detection, SOC reporting), Incident Response, Social Engineering Analysis, Secure Coding

Technologies: AES Encryption, Werkzeug, SPL (Splunk Search Processing Language)

AI/ML: Generative AI, Machine Learning, Deep Learning, NLP, Large Language Models, Prompt Engineering

Operating Systems: Linux, Windows

Development Tools: VS Code, Git, Flask Dev Server

Soft Skills: Communication, Problem Solving, Critical Thinking, Technical Documentation, Time Management

Experience

Cybersecurity Intern | Future Interns | Aug 2025 – Sep 2025 (Remote)

Duration: 2 Months

Location: Durgapur, West Bengal, India

- **Project 1: Web Application Security:** Conducted security assessment on OWASP Juice Shop, identifying **10+ high-risk vulnerabilities**, including SQL Injection leading to authentication bypass and reflected XSS enabling session hijacking. Mapped findings to OWASP Top 10 (2021) and proposed remediation strategies reducing attack surface.
- **Project 2: SIEM & Log Analysis:** Analyzed **5,000+ security log events** using Splunk to detect ransomware, Trojans, and rootkits. Built SPL queries and visual dashboards, improving SOC threat visibility and response prioritization
- **Project 3: Secure File Sharing System (Capstone):** Designed and implemented an end-to-end encrypted file-sharing system using Flask and AES-256, securing **100% of uploaded files** through server-side encryption and controlled access mechanisms.

Education

Durgapur Institute of Advanced Technology and Management (DIATM) | July 2023- July 2027

Affiliated to Maulana Abul Kalam Azad University of Technology (MAKAUT), WB

Bachelor of Technology (B.Tech) – Computer Science and Engineering (CSE)

Coursework includes: Programming in C/C++, Data Structures, Algorithms, Database Management, Operating Systems, Computer Networks, and Cybersecurity Fundamentals.

National Institute of Open Schooling, NIOS Board | June 2021- June 2023

Senior Secondary (Class 12) – Science | 65%

Bharat Academy & Sciences, CISCE Board | March 2020- June 2021

Secondary (Class 10) | 81.4%

Achievements

- Received a **Letter of Recommendation** from Future Interns for outstanding performance and project execution during the cybersecurity internship.

Certifications

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| • Tata - Cybersecurity Analyst Job Simulation Forage | June 2025 |
| Completed threat modeling, risk assessment, and secure solution design tasks | |
| • Deloitte Australia - Cybersecurity Job Simulation Forage | July 2025 |
| Performed log analysis, network security assessment, and web security evaluation | |
| • C Programming Basics Simplilearn | July 2025 |
| • Introduction to LLM Google Cloud Skills Boost | August 2025 |
| • Introduction to Generative AI Google Cloud Skills Boost | August 2025 |
| • Future Interns – Cybersecurity Internship Certificate | August 2025 |

Languages:

Hindi (Native), English (Proficient) & Bengali (Proficient)