

Shovon Gorain

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LinkedIn | GitHub

Career Objective

Cybersecurity enthusiast pursuing MCA in Cyber Security, with CEH & CND certifications. Skilled in Python, penetration testing tools (Nmap, Metasploit, Burp Suite), vulnerability assessment, and cryptography. Seeking to apply skills in penetration testing, exploitation, and mitigation strategies as a Microsoft Intern.

Education

Master of Computer Application (Cyber Security) – JECRC University, Jaipur (May 2026)

Bachelor of Computer Application (BCA) – Bengal College of Engineering & Technology, Durgapur (May 2024)

Internship & Practical Experience

Java Developer Intern – AICT Pvt. Ltd., Durgapur (Jan–Feb 2024)

- Developed secure applications using Core Java, JDBC, Swing (UI design), and DBMS integration.
- Applied secure coding practices to minimize vulnerabilities during development.

Cyber Cell Developer (Hackathon & Project Work) – BCET, West Bengal (Mar 2022 – Apr 2023)

- Collaborated on real-world cybersecurity projects, applying penetration testing techniques in controlled environments.
- Conducted vulnerability analysis and mitigation planning in academic and hackathon settings.

Projects & Research

Phishing Detection System (Python) (Aug–Sep 2025) [Link]

- Built a machine learning model to detect phishing and malicious URLs in real time.
- Automated classification for email and web-based attack vectors to improve security posture.

AI-based Reel Generator (SanpAI, Python + Flask) (Jun–Jul 2025) [Link]

- Designed a secure API-driven pipeline for photo-to-video conversion with AI.
- Implemented secure file handling and encryption in media workflows.

Hand Gesture Recognition Rock-Paper-Scissors (Python + OpenCV) (Aug–Nov 2024) [Link]

- Developed a real-time AI-powered game with adaptive AI opponent.
- Applied computer vision & secure input handling for human-system interaction.

Encryption-Decryption Tool (Python) (Jan–Feb 2024) [Link]

- Implemented AES and RSA algorithms for secure key-based communication.
- Strengthened data confidentiality and integrity in communication systems.

Research Paper – “Phishing Attack Vectors in Social Media Platforms and Mitigation” (2025) [Link]

- Analyzed common phishing attack vectors across major platforms.
- Proposed technical and behavioral countermeasures for mitigation.

Skills

Programming & Scripting: Python, C, Java

Databases: MySQL, Oracle

Penetration Testing Tools: Nmap, Metasploit, Burp Suite, Wireshark

Platforms: Windows, Linux

Cybersecurity Expertise: Vulnerability Assessment, Exploitation, Secure Coding, OWASP Top 10, Cryptography, Network Security

Soft Skills: Problem-Solving, Team Collaboration, Adaptability, Quick Learner

Certifications

Certified Ethical Hacker (CEH) – EC-Council (2025)

Certified Network Defender (CND) – EC-Council (2024)

Python Programming Certification – Udemy (2025)

Achievements

Hackathon Winner – GitHub-hosted Cybersecurity Event (2023)

Google Cloud Creativity Contest Winner & Contributor (2025)

Event Organizer – Cultural Tech Fest, BCET (2024)