Ankit Kumar Singh

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OBJECTIVE

Computer Science undergraduate at Parul University with hands-on experience in vulnerability research, bug bounty hunting, and security automation. Seeking an opportunity to apply offensive security skills and contribute to securing systems against real-world threats.

EDUCATION

Parul University Vadodara, Gujarat
Bachelor of Technology in Computer Science and Engineering (Cybersecurity) *Sept 2023 – Aug 2027*
- Specialization: Cybersecurity
- CGPA: 7.58/10

M S COLLEGE MAIRWA, SIWAN
Senior Secondary (Science) *2021 – 2023*
- Percentage: 76.80%

J.R. Convent Done, Siwan
Secondary School *2021*
- Percentage: 65.80%

PROFESSIONAL EXPERIENCE

Cybersecurity Intern Feb 2025 – Mar 2025
Hacktify Cyber Security *Remote*
- Conducted vulnerability assessments and penetration testing on web applications and network infrastructure
- Conducted malware analysis and reverse engineering to analyze malicious behavior and execution flow
- Supported vulnerability identification and threat modeling to assess and mitigate security risks

Cybersecurity Intern Jan 2025 – Feb 2025
Edunet Foundation *Remote*
- Designed and developed a Python-based image steganography tool to securely hide and retrieve secret messages within images using blue-channel manipulation
- Implemented passcode-based encryption and authentication to prevent unauthorized message access
- Utilized OpenCV (cv2) for pixel-level image processing while ensuring minimal visual distortion
- Strengthened skills in cryptography concepts, Python scripting, image processing, and secure data handling practices
- GitHub link: https://github.com/gh0st-hunter/Stenography.git

TECHNICAL SKILLS

Security Tools: Burp Suite, Metasploit, Wireshark, Nmap, OWASP ZAP
Programming Languages: Python, C, Bash, SQL
Frameworks: OWASP Top 10, Vulnerability Assessment and Penetration Testing, Cryptography
Cloud & Network: Cloud Computing basics (AWS, Azure), Network Protocols (TCP/IP, HTTP/HTTPS, DNS)

CERTIFICATIONS

Cybersecurity Foundation (Palo Alto Networks)	Aug 2025
Cryptography and Network Security (NPTEL)	Apr 2025
Android Bug Hunting (EC-Council)	Dec 2024
Cyber Defence Strategies (IT Masters – Charles Sturt University)	Dec 2024
Introduction to Cybersecurity (Cisco)	Dec 2023

ACTIVITIES

Bug Bounty Hunter: Actively participate in bug bounty programs, identifying and reporting security vulnerabilities in Android applications and web platforms. Recognized for responsible disclosure practices.

CTF Competitions: Regular participant in Capture The Flag competitions, demonstrating problem-solving skills in cryptography, reverse engineering, forensics, and web exploitation challenges.

Security Research: Conduct independent research on emerging cybersecurity threats, exploitation techniques, and defensive strategies to stay current with industry trends.