

# Rohit Barik

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## SUMMARY

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Cybersecurity professional with hands-on experience in ethical hacking, vulnerability assessment, and network security. Proficient in using tools like Kali Linux, Wireshark, Nmap, and Burp Suite for penetration testing and threat analysis. Certified through YHills and Hackersvilla internships, with a solid grasp of cybersecurity frameworks and compliance standards. Committed to proactively identifying and mitigating cyber threats while staying current with emerging security trends and technologies.

**TECHNICAL SKILLS:** Proficient in operating systems such as Windows and Linux, including Kali Linux and Ubuntu, with strong expertise in cybersecurity tools like Wireshark, Nmap, Burp Suite, Metasploit, John the Ripper, and Hydra. Skilled in scripting with Python and Bash, with foundational knowledge of JavaScript. Experienced in web security concepts including the OWASP Top 10, SQL Injection, XSS, and CSRF, along with network security practices such as firewall configuration, VPNs, and intrusion detection/prevention systems. Completed certified internships in cybersecurity from YHills and Hackersvilla, as well as web development training from Embrizon Technology, demonstrating a well-rounded technical foundation in both offensive and defensive security.

## PROFESSIONAL EXPERIENCE

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### Hackersvilla CyberSecurity Pvt. Ltd.

MUKHERJEE NAGAR, DELHI/ INDIA

#### *CyberSecurity Intern(Remote)*

*April 2024*

At Hackersvilla CyberSecurity Pvt. Ltd., I applied my skills in ethical hacking and network defense by building and deploying real-world security tools, including a custom network vulnerability scanner and a honeypot system to analyze attacker behavior. My work contributed to simulated penetration testing environments and enhanced my proficiency in identifying, documenting, and mitigating security risks.

#### Project 1- Network Vulnerability Scanner

- Developed a Python-based scanner using **socket** and **nmap** libraries to detect open ports and identify weak services in a network.
- Integrated service fingerprinting to categorize running services on detected open ports, enabling more accurate vulnerability identification.
- Created automated scan reports in JSON and PDF formats to summarize findings for future reference and documentation.

#### Project 2 - Honeypot Deployment System

- Set up a honeypot using Cowrie to monitor unauthorized SSH login attempts and collect attacker behavior logs..
- Analyzed intrusion patterns from captured data and created security reports for threat intelligence documentation.

### YHills Edutech Pvt.Ltd

NOIDA, UTTAR PRADESH / INDIA

#### *CyberSecurity Intern (Remote)*

*February 2024 –April 2024*

During my internship at YHills, I gained practical experience in ethical hacking, vulnerability assessment, and network security. I built tools like a network vulnerability scanner and deployed honeypots to analyze real-world attack patterns, which enhanced my technical skills in Python scripting, reconnaissance, and threat analysis.

#### Project - Web Application Vulnerability Lab

- Developed a custom vulnerable web application environment to simulate real-world security flaws such as SQL Injection, Cross-Site Scripting (XSS), and CSRF.
- Conducted penetration testing on the lab using tools like Burp Suite and OWASP ZAP to identify and exploit vulnerabilities.
- Implemented secure coding practices and patches to demonstrate mitigation techniques and prevent future exploitation.).

## LEADERSHIP EXPERIENCE

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- **Student Body Member** at **Trident Academy of Technology**, representing student interests, organizing campus events, and facilitating communication between faculty and students.
- **Leader** of the **Smart India Hackathon (SIH) 2024** project team, presenting the idea "Accessible Safety Solutions for Women with Disabilities," coordinating research, design, and technical documentation.
- **Mentor** during cybersecurity internships at **YHills** and **Hackersvilla**, guiding peers through vulnerability scanning, ethical hacking tools, and network security best practices.

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## EDUCATION & OTHER

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**SCHOOL & +2 :-**      **ST JOSEPH'S CONVENT HIGH SCHOOL, MOSABONI , JHARKHAND**

*April 2008 –April 2021*

**UNIVERSITY :-**    **TRIDENT ACADEMY OF TECHNOLOGY , BHUBANESWAR**

*{ PURSUING -BTECH(4TH YEAR) }*

### LANGUAGES:

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|-----------|----------|
| • English | (Fluent) |
| • Hindi   | (Fluent) |
| • Bengali | (Native) |

### SKILLS:-

- **Certified CTF (Capture the Flag)** – Gained hands-on experience in solving cybersecurity challenges.
- **Hack The Box** – Completed various penetration testing challenges to enhance ethical hacking skills.
- **Remote Sensing Certificate** – Issued by ISRO, focusing on satellite data and geospatial technologies.
- **TryHackMe** – Completed over 200 labs, improving practical skills in penetration testing and cybersecurity.
- **Master in Linux** – Gained expertise in Linux OS administration and command-line tools.
- **Wireshark, Nmap, and Burp Suite** – Advanced proficiency in network traffic analysis, scanning, and vulnerability assessments.

### INTERESTS:

- **Cybersecurity** – Passionate about ethical hacking, penetration testing, and network security.
- **Problem Solving & Challenges** – Engaging in Capture the Flag (CTF) challenges and solving real-world cybersecurity problems.
- **Programming & Development** – Coding in Python, JavaScript, and building secure applications.
- **Geospatial Technologies** – Interested in remote sensing, GIS, and their applications in security and mapping.
- **Basketball** – Enjoy playing and following basketball, especially NBA games.
- **Podcasts** – Love listening to tech podcasts on cybersecurity, innovation, and start-up culture.
- **Traveling** – Exploring new places and cultures, and learning from different perspectives.