

Tarun Kumar Pathak

Portfolio (GitHub Pages)

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SUMMARY

Motivated cybersecurity enthusiast with experience in penetration testing, vulnerability assessment, and ethical hacking. Skilled in identifying and mitigating vulnerabilities using tools like Nmap, Wireshark, and OWASP ZAP. Achieved a top ranking 9% in TryHackMe. Experienced in developing security tools and solving coding challenges, actively contributing to bug bounty programs on HackerOne.

EDUCATION

- Haldia Institute of Technology** Haldia, West Bengal, India
B.Tech in Electronics and Communication Engineering; CGPA: 8.15/10 August 2022 – Ongoing
- Deshbandhu Vidyalaya (Boys)** Chittaranjan, West Bengal
Higher Secondary (12th Grade); Percentage: 66.8% 2021 – 2022
- St. Joseph's Convent High School** Chittaranjan, West Bengal
Matriculation (10th Grade); Percentage: 75.6% 2019 – 2020

SKILLS AND EXPERTISE

- Programming Languages:** Proficient in Python, Java, SQL, Bash, C; Familiar with HTML, CSS
- Security Tools:** Wireshark, Burp Suite, OWASP ZAP, Nmap
- Frameworks and Developer Tools:** Metasploit, Git, VS Code, Bootstrap
- Platforms:** Linux, TryHackMe, LeetCode, HackerOne, HackTheBox

CERTIFICATIONS

- TryHackMe:** Jr. Pen Tester, Pre-Security, Web Security
- Coursera:** Automate Cybersecurity Tasks with Python, Assets, Threats, and Vulnerabilities, Linux and SQL, Foundation of CyberSecurity
- Udemy:** Python, Frontend Development
- Rinex:** Cyber Security and Ethical Hacking
- CodeChef:** Certificate for solving 0-500 difficulty problems in Java

PROJECTS

- Password Strength Checker:** A Python tool to evaluate password complexity and detect breaches using hashing algorithms. Github
- Task Manger:** Designed and implemented a Java-based GUI-Interface where you can Scheduled your daily task, with creation and deletion of task. Github
- Password Manager:** Created a Python-based tool for managing and generating secure passwords, integrated with SQLite for storage. Github
- Tic-Tac-Toe Game:** Designed and implemented a Java-based game with AI-driven moves and multiplayer modes. Github

INTERNSHIPS

- Cybersecurity Internship (AICTE Approved)** — *RD Infro Technology* — Remote — Dec 22, 2024 – Jan 21, 2025
 - Worked on real-world tasks using tools like OpenVAS and Wireshark.
 - Gained hands-on experience in vulnerability assessment and network security.
- Cybersecurity Internship and Training** — *Internship Studio* — Remote — May 25, 2022 – June 30, 2022
 - Learned ethical hacking techniques and conducted practical experiments.
 - Implemented attack simulations and identified vulnerabilities.

ACHIEVEMENTS

- Cybersecurity Challenges:** Ranked in the top 9% globally on TryHackMe.
- Programming:** Solved 105+ problems on .Leetcode.
- Hackathons:** Qualified for the second round of Smart India Hackathon, solving real-world problems.
- TCS CodeVita:** Qualified for the second round in TCS CodeVita.
- LeetCode:** Achieved a 50-day coding streak and maintained a consistent problem-solving streak..Leetcode