

Swayam Rao

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Summary

Passionate cybersecurity enthusiast currently in 6th semester of B.E. in Cyber Security with a CGPA of 8.74. Founding member of MSRIT's secuRIT club and active CTF competitor. Experienced in penetration testing, network security, and vulnerability assessment. **CEH v12 Master Certified** and ranked in the **top 1% on TryHackMe**.

Work Experience

- **Founding Member – secuRIT Club** 2024 – Present
Founded MSRIT's first cybersecurity club and led 15+ events including workshops, CTFs, and speaker sessions; engaged over 200+ students in cybersecurity activities.
- **Student Coordinator and Developer – SAP Hackfest 2024** 2024
Developed and launched [hackfest.info](#) for SAP Hackfest 2024, managing logistics and communication for 200+ participants; achieved 98% post-event satisfaction.
- **Student Coordinator – Emmetra Workshop** 2024
Coordinated cybersecurity workshop logistics and communications for 50+ attendees, including speaker outreach and technical setup.

Projects

- **Network Analyzer** 2024
Designed a Python-based tool using Scapy to detect MITM attacks on LAN environments; tested across 3+ attack scenarios in lab simulations.
- **SecuRIT Club Website** 2024
Built and deployed the official website for MSRIT's cybersecurity club, providing a hub for 200+ students: [securit.club](#).
- **SAP Hackathon Website** 2024
Managed end-to-end development of the [hackfest.info](#) platform used by 400+ students and mentors for SAP Hackfest registration, updates, and event tracking.
- **Web Fuzzer** 2023
Created a Python-based fuzzer to discover 10+ unique web vulnerabilities in practice labs; included HTML scraping and injection testing features.
- **Password Manager** 2023
Developed a secure offline password manager with AES-256 encryption in Python; verified encryption strength using 100+ password entries.
- More projects on: [GitHub](#).

Achievements

- Ranked **5th**, **7th**, and **8th** in EC-Council CEH Compete events (2024).
- Top **1%** on TryHackMe and 6 learning paths completed.
- Solved **100+ CTF rooms** across TryHackMe and picoCTF.
- Published **30+ CTF writeups** on GitHub with 500+ combined views and stars.

Leadership and Extracurriculars

- **Founder – secuRIT Club** *2024 – Present*
Spearheaded the launch of MSRIT's first cybersecurity club, bringing together over 200+ students to learn, compete, and collaborate.
- **Student Coordinator – Hackfest.info** *2024*
Acted as liaison between SAP mentors and student teams, ensuring smooth planning and execution of the hackathon.
- **HackTheBox Team Member** *2024 – Present*
Represented MSRIT in competitive CTFs, contributing to reverse engineering and web exploitation challenges.
- **MSRIT Table Tennis Team** *2022 – Present*
Competed in VTU inter-zonal tournaments, consistently ranked among top players.

Education

M.S. Ramaiah Institute of Technology (MSRIT), Bangalore *Expected Graduation: 2026*

- B.E. in Computer Science and Engineering (Cyber Security)
- Current CGPA: 8.74 (6th Semester)

Janasudha PU College *Graduated: 2022*

- Secured 95%

Certifications

- **EC-Council Certified Ethical Hacker (CEH v12) – Master Certified**
Completed both theoretical and practical assessments; top 10 placement in CEH Compete (5th, 7th, 8th ranks).
- **TryHackMe** (6 Learning Paths Completed)
Jr. Penetration Tester, PenTest+, Buffer Overflow, Active Directory, Lateral Movement, Red Teaming.
- **EC-Council:** Ethical Hacking using NMAP
- **Cisco:** Ethical Hacker
- **Udemy:** Learn Ethical Hacking from Scratch (2024)

Technical Skills

- **Languages:** Python, C, C++, Rust
- **Tools:** Nmap, Wireshark, Metasploit, Burp Suite, John the Ripper, Hydra
- **OS:** Linux (Kali, Ubuntu), Windows
- **Domains:** Penetration Testing, Network Security, Cryptography, Vulnerability Assessment

Additional Information

- **Languages Known:** English (Fluent), Hindi (Fluent), Kannada (Native)
- **Hobbies:** Cybersecurity, Table Tennis, Chess, Ethical Hacking