

# Samip Aanand Shah

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 [cyb3ritic](#) |  [cyb3ritic](#)

Bengaluru, Karnataka - 560035, India

## OBJECTIVE

Aspiring penetration tester with a strong foundation in cybersecurity, specializing in web exploitation. Currently pursuing a B.Tech in Computer Science and Engineering, with a focus on applying technical skills and hands-on experience from CTF competitions to real-world challenges. Seeking an internship opportunity to contribute to innovative security solutions and further develop expertise in ethical hacking and red teaming.

## EDUCATION


- **Amrita Vishwa Vidyapeetham**  
B.tech in Computer Science and Engineering  
Expected Graduation: 2026  
◦ CGPA: 9.13/10

August 2022 - Present  
Bengaluru, India

## SKILLS

- **Programming Languages:** Python(proficient), Bash(proficient), C(intermediate), Java(beginner), C++(beginner)
- **Pentesting Tools:** Nmap, Hydra, Metasploit, Wireshark, John the Ripper, Hashcat, Gobuster, Netcat, Burp Suite.
- **Pentesting Methodologies:** Recon(Proficient), Exploitation(Intermediate), Privilege Escalation(Intermediate), Reporting and Documentation(proficient)
- **Web Development:** HTML, CSS, JavaScript (proficient)
- **Networking & Operating Systems:** Network Security, Protocols(Intermediate), Linux(Proficient)

## POSITIONS AND RESPONSIBILITIES

- **Team bi0sblr** 

Member of Web Exploitation and Penetration Testing team

May 2023 - Present  
Bengaluru, India

- Participated in over 20 CTF competitions, focusing on Web Exploitation challenges.
- Regularly solved challenges on platforms like TryHackMe and Hack The Box, enhancing practical penetration skills.
- Engaged in workshops and meetups to build a strong network with professionals well-established in the cybersecurity domain.

## PROJECTS

- **WebSleuth: Advanced Website Reconnaissance Tool**

October 2024 - January 2025

Technologies: bash, nmap, whatweb, dig, whois



- Built a tool using Bash to automate website reconnaissance with features like DNS enumeration, subdomain detection, and SSL/TLS analysis.
- Incorporated modules for HTTP header inspection, WHOIS lookup, directory discovery, and technology stack identification.
- Implemented multithreading, timeout control, enhanced color-coded terminal output, and user-friendly help menus.
- Integrated essential tools like dig, curl, nmap, and openssl for seamless functionality.

- **Packet Sniffer Tool for Network Analysis**

Technologies: Python, Scapy, Wireshark

- Developed a packet sniffer tool to capture and analyze network traffic for educational purposes.
- Implemented Scapy to dissect and inspect packets, providing detailed insights into network communications.
- Created a real-time monitoring interface to display source/destination IP addresses, protocols, and payload data.
- Applied deep packet inspection techniques to identify potential security vulnerabilities in network traffic.

## COURSES & CERTIFICATIONS

- **Ethical Hacking Essentials (EHE), EC Council**
- **Linux OS Internals Workshop, Green Computing Tag**
- **Introduction to Cyber Security, Cisco**

April 2023  
August 2023  
November 2023

## ADDITIONAL INFORMATION

- **Soft Skills:** Project Management, Team management, Critical Thinking
- **Blog:** Regularly publish write-ups on my blog [[blog.samipshah.com.np](http://blog.samipshah.com.np)] to share knowledge on pentesting, CTF challenges, and other cybersecurity topics.