

Samip Aanand Shah

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EDUCATION

- **Amrita Vishwa Vidyapeetham** Aug 2022 – Jun 2026
B.Tech in Computer Science and Engineering Bengaluru, India
 - CGPA: 9.09/10

TECHNICAL SKILLS

- **Cybersecurity:** Web Exploitation, Network Security, Vulnerability Assessment, Privilege Escalation, Reconnaissance, OWASP Top 10
- **Security Tools:** Nmap, Burp Suite, Metasploit, Wireshark, Netcat, Hydra, John the Ripper, Hashcat, Gobuster
- **Networking & OS:** Wi-Fi Architectures (AP & Cloud), Protocol Inspection, Packet Analysis, Linux System Administration
- **Languages & Web:** Python, Bash, JavaScript, HTML/CSS

EXPERIENCE

- **Arista Networks** Jan 2026 – Jun 2026
Software Testing Intern Bengaluru, India
 - Validated enterprise Wi-Fi Access Points (AP) and CloudVision Cognitive Unified Edge (CV CUE), bridging hardware functionality with cloud-based network management.
 - Executed real-world feature testing within the CV CUE platform, identifying potential failure points to ensure optimal performance, security, and deployment readiness.
- **Team bi0sblr** May 2023 – Jul 2025
Member, Web Exploitation & Penetration Testing Bengaluru, India
 - Competed in 20+ global CTF competitions, specializing in Web Exploitation and network vulnerabilities.
 - Strengthened practical penetration testing skills via TryHackMe and Hack The Box, actively engaging the infosec community through technical write-ups on personal blog.

PROJECTS

- **PentestPal: Web App Pentesting Framework** Feb 2025 – Present
Technologies: Python, Requests, BeautifulSoup, Sockets 
 - Engineered a modular framework to automate reconnaissance and detect common web vulnerabilities (XSS, SQLi, CSRF, SSRF).
 - Implemented real-time payload injection and response analysis to streamline exploit detection in web applications.
- **WebSleuth: Advanced Reconnaissance Tool** Oct 2024 – Jan 2025
Technologies: Bash, Nmap, Dig, WHOIS, OpenSSL 
 - Developed a multithreaded Bash tool automating DNS enumeration, subdomain discovery, and SSL/TLS configuration analysis.
 - Enhanced usability through timeout handling and structured, color-coded terminal output, significantly reducing manual recon time.

COURSES & CERTIFICATIONS

- **Google Cybersecurity Professional Certificate** (Google, 2026) | **Computer Networks Fundamentals** (Udemy, 2025) | **Ethical Hacking Essentials** (EC Council, 2023)