Devanshu Bansode

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Profile

Second-year CSE (IoT & Cybersecurity) student with hands-on experience in **penetration testing**, **web application security**, and **offensive security tools**. Skilled in **Burp Suite**, **Nmap**, **Metasploit**, **SQLmap**, **OWASP ZAP**, and **Wireshark**, with practical understanding of **OWASP Top 10**, **HTTP/HTTPS**, **SQL Injection (SQLi)**, **Cross-Site Scripting (XSS)**, **CSRF**, and **secure coding practices**.
Actively practicing real-world exploitation through **PortSwigger Web Security Academy labs** and **CTF platforms**. Built multiple security-focused projects including **Wi-Patrol (WiFi IDS)** and **Encrypter (Flask-based encryption tool with login & file upload)**. Seeking a **Cyber Security Intern** role to apply and grow my skills in **Application Security** and **VAPT**.

Skills

Penetration Testing
Burp Suite, OWASP Top 10, SQL Injection (SQLi), XSS, CSRF, Auth Bypass, Web Application Penetration Testing, OWASP ZAP, Nmap, Manual Testing & Vulnerability Analysis, Recon & Enumeration, HTTP/HTTPS Protocols, Vulnerability Reporting & Documentation

Programming & Scripting
Python, Java, C, Bash scripting, JavaScript (Basics – for XSS), Python Flask (Web Backend)

Databases & Storage
MySQL, *PostgreSQL,* SQL Queries, Database Security Basics, Encryption

Security Tools
Metasploit Framework, SQLmap, Wireshark, Aircrack-ng, John the Ripper, Kali Linux, Scapy (Python), Gobuster, Hydra (Basics)

Networking & Operating Systems
TCP/IP, DNS, Routing & Switching (Basics), Linux (Kali, Ubuntu), Socket Programming (Basic).

Other Tools / Platforms
Git & GitHub, TryHackMe, PortSwigger Web Security Academy, VS Code, Arduino IDE (ESP32)

Projects

Encrypter 09/2025 – 10/2025
- Developed a Flask-based encryption and data-transformation web app with user login, file upload support, recipe-based operations, and MySQL-backed history storage.
- Led a team of 4 to build and deliver this Python mini-project.

X'Ploitathon CTF 09/2025 – 10/2025
- Designed and developed CTF challenges for web security during a 5-day event, collaborating with PODS Technology Solutions.
- Worked with a team to build, test, and deploy real-world inspired challenges for competitive rounds.

Wi-Patrol – Wi-Fi Intrusion Detection System 07/2025 – 10/2025
- Led a 4-member team to build an ESP32 + Python system for rogue Wi-Fi device detection, enhancing network security.
- Designed Tkinter GUI with MySQL logging for real-time alerts and flexible configurations, improving user interaction.

Password Vault - Encrypted Credential Manager 01/2025 – 02/2025

- Developed a secure password manager in Python with AES encryption and Tkinter GUI, ensuring data security.
- Implemented password generation, authentication, and encrypted JSON storage, enhancing data protection.

Packet Sniffer - Network Analyzer 10/2025 – Present

- Developing a Python-based packet sniffer using Scapy for live packet analysis, focusing on TCP/UDP/ICMP decoding and real-time protocol inspection.

Relevant Experience

Cybersecurity Co-ordinator, *Google Developer Groups On Campus, SIESGST* 09/2025 – Present
Coordinating cybersecurity workshops and CTF activities for the GDG On Campus – SIESGST. Nerul, Navi Mumbai

Education

B.Tech in Computer Science Engineering (IoT & Cybersecurity), 2024 – Present
SIES Graduate School of Technology, Nerul (Autonomous - Mumbai University) Nerul, Navi Mumbai

Higher Secondary Certificate (HSC) – Science, 2023 – 2024
New Horizon Scholars School, Airoli – CBSE Board Airoli, Navi Mumbai

Senior Secondary Certificate(SSC), 2021 – 2022
New Horizon Scholars School, Airoli - CBSE Board Airoli, Navi Mumbai

Certifications

Bug Bounty & Web Security Testing
zSecurity
Ongoing

Detect & Defend
Secured Bharat
Detect & Defend gave me hands-on exposure to basic digital forensics, threat identification, and evidence analysis.

Learn Ethical Hacking From Scratch
zSecurity
Learned the basics of ethical hacking, including network scanning, exploitation, and wireless attacks using tools like Metasploit, SQLmap, Aircrack-ng, and Wireshark.

C Programming
SIESGST
Completed certification in C programming with hands-on experience in foundational concepts and problem-solving.

Ethical Hacking [SDP]
SIESGST
This course taught me core networking and web security basics, along with hands-on practice through TryHackMe labs and introductory use of Burp Suite.

Achievements / Extracurriculars

Improved ranking from 250 → 16 in CyberXplore Bootcamp 08/2025

Secured 1st place in Capture the Flag (CTF) at CSI Cybersecurity Workshop, SIES GST 08/2025

Secured a Top-30 rank (29/297) in the Detect & Defend national-level cybersecurity challenge by Secured Bharat. 11/2025