

Shirshak Shrestha

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PROFILE Current cybersecurity undergraduate transitioning from a creative background into Governance, Risk, and Compliance (GRC). Hands-on experience building security tools and leading teams, with a strong track record in academics and student leadership.

EDUCATION **Softwarica College of IT and E-Commerce, Dillibazar | Feb 2024 – Feb 2026**

BSc (Hons) Ethical Hacking and Cybersecurity

- **Academic Excellence:** Full Tuition Scholarship recipient & Batch Semester Topper (Ranked 1st/2nd consistently).
- **Involvement:** Class Representative, Active participant in CTFs, college events, and sports clubs.

St. Xavier's College, Maitighar | Sep 2020 – Sep 2022

Plus Two (Science)

- **GPA:** 3.70
- **Awards:** Recipient of the Fr. James J. Donnelly, S.J. Memorial Award for Best Leadership.
- **Roles:** Class Representative (2 years) and Executive Member of The SET Council.

TECHNICAL SKILLS **Security Tools:** Burp Suite, Nmap, Wireshark, Metasploit
Networking: Cisco Packet Tracer, Subnetting, TCP/IP Analysis
Web Technologies: HTML, CSS, Tailwind, JavaScript
Core Competencies: Documentation and Reporting, Vulnerability Assessment, Graphic Design, Leadership

ACADEMIC PROJECTS **Kavach | Python, NetfilterQueue, Scapy, PyQt5**

- Engineered a real-time packet filter firewall hooking into Linux iptables via NetfilterQueue to drop/accept traffic at the kernel level.
- Developed a custom rule engine for CIDR/Port enforcement and a multi-threaded PyQt5 dashboard for live traffic monitoring.

Jaalbreak | Python, Nmap, CustomTkinter

- Built a dual-interface (CLI/GUI) Nmap wrapper with automated flag validation and conflict resolution for error-free scanning.
- Implemented threading for concurrent scanning and ReportLab to auto-generate PDF security reports.

EXPERIENCE **Content Lead | Sep 2020 – Present**

Fiago | Part-time (Remote)

- Lead the visual strategy for all social media post layouts and designs.
- Translated abstract concepts into clear visual designs.

Event and Partnership Associate | Feb 2025 – June 2025

Hult Prize Nepal | Seasonal

- Played a key role in organizing the first national-level event, managing logistics for diverse stakeholders.
- Directly secured partnerships with 5 corporate sponsors and coordinated communication with a network of 18+ sponsors.

Graphic Designer | Jan 2023 – April 2023

Ecstatic Minds | Full-time

- Designed social media post designs for various client brands under the firm.
- Created visuals and merchandise concepts aimed at boosting brand awareness.

CERTIFICATES **CCEP Red Team Leaders (2025), CS50x Harvard University (2023)**