

# Shirshak Shrestha

sirshak99@gmail.com | +977 9803230274 | Kathmandu, Nepal | linkedin.com/in/shirshxk

## 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)