

# NABIN DHAKAL

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Gaidakot, Nawalpur, Nepal

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**Portfolio:** <https://nabindhakal10.com.np>

## CAREER OBJECTIVE

Motivated and detail-oriented BSc CSIT student at Tribhuvan University with a strong foundation in computer networks, cybersecurity, and software development. Passionate about exploring and contributing to areas like ethical hacking, AI, and System Development. Actively seeking opportunities to apply technical knowledge and learn through practical experiences.

## EDUCATION

**Bachelor of Science in Computer Science and Information Technology (BSc CSIT)**

**Tribhuvan University, Nepal**

Expected Graduation: 2026

(Joined January 2023)

**Higher Secondary Education (+2 Science)**

**Vijaya Samudayik Shiksha Sadan**

Completed in 2022

## TECHNICAL SKILLS

**Programming:** Python, C, C++, HTML, CSS, JavaScript

**Web Technologies:** Django, React, Tailwind, Django REST Framework

**Operating Systems:** Linux (Parrot OS), Windows

**Networking Tools:** Cisco Packet Tracer, Wireshark, Nmap

**Security Tools:** Burp Suite, Metasploit, TryHackMe, Parrot OS

**Others:** Git, GitHub, VirtualBox, Bash scripting, Docker

## PROJECTS

### **PwnJournal – Cybersecurity Writeup Platform**

**Tech Stack:** React.js, Tailwind CSS, Django, Django REST Framework

Link: <https://pwn-journal.vercel.app/>

- Designed and developed a **full-stack platform** for cybersecurity enthusiasts to create, organize, and publish hacking writeups.
- Built **modular React components** with Tailwind CSS for a **responsive and clean user interface**.
- Integrated a **Django backend** with secure authentication and **RESTful APIs** for seamless frontend-backend communication.
- Implemented **markdown rendering, dynamic routing, and role-based content management** to enhance usability and content control.

### **Technical Coordinator – LICT Club Website Development**

**Tech Stack:** React.js, Tailwind CSS, Django, Django REST Framework

Link: <https://lumbiniictclub.com/>

- Designed, developed, and **independently deployed** the official LICT Club website using **React, Tailwind CSS, Django, and Django REST Framework**.
- Built **dynamic event pages** and a **registration form** that securely handles GET and POST requests via DRF APIs.
- Developed a **backend with a prebuilt admin panel** and a **CRM page** capable of sending multiple emails to selected members using **Gmail SMTP**, streamlining club communication.
- Used **Axios** for smooth frontend-backend interactions.
- **Solely manage the server**, ensuring the website is fully functional, responsive, and reliable for all visitors.

### **Network Design for a Branch Office – Project**

**Tech Stack:** Cisco Packet Tracer, Networking Protocols

- Designed a **scalable network infrastructure** using static routing, subnetting, and VLAN segmentation.
- Simulated **LAN/WAN communication** and integrated IoT devices (sensors, actuators) for networked operations.
- Created **isolated server environments** for DNS, Web, Email, and File servers.
- Applied **basic firewall rules and ACLs** to improve internal network security.

## Network Intrusion Detection and Prevention System (NIDPS) – Ongoing

**Tech Stack:** Python, scikit-learn, Socket Programming, Django, React

- Developing a **full-stack NIDPS** that will combine **signature-based detection** with **machine learning** for accurate threat classification.
- Building a **real-time packet sniffer** using raw sockets and multithreading to analyze incoming network traffic.
- Implementing **custom detection rules** with logging and alerting mechanisms to monitor suspicious activity.
- Designing a **React frontend dashboard** integrated with Django backend to visualize live intrusion logs and system insights, enhancing network monitoring and response.

## CERTIFICATIONS & TRAINING

TryHackMe (Active Learner – Web Exploitation, Linux, and Privilege Escalation Labs)

## INTERESTS

Cybersecurity (CTFs, Vulnerability Analysis)

IoT Simulation and Networking

## LANGUAGES

Nepali (Native)

English (Fluent)

## Hobbies

Chess

Guitar

Reading Books