

# Prabesh Sapkota

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## CAREER OBJECTIVE

I am ready to work in a team and act as a good team player using my skills to fulfill the company's goals. I believe I can carry out my responsibilities very well as a **Python Engineer, Backend Developer, Linux Administrator, Network Engineer** and a **Cybersecurity Professional**.

## EXPERIENCE

### **Pentester Nepal** — *Active member*

2019- 2020

Being an active member of [Pentester Nepal](#), I was involved in many meetups and sessions. Also presented as a speaker in some of its events in Pokhara.

### **Hackerone/Bugcrowd** — *Bug Hunter*

2019 - PRESENT

I am working as a bug hunter in hacker one and bugcrowd.

### **Info-Tech Gandaki** — *Executive Member*

2019 - 2020

I have been conducting many presentations and programmes at school and inter school level through a school club named "[Info-Tech Gandaki](#)". So I am good at mass speaking and I can present well.

## EDUCATION

### **Informatics College Pokhara, Pokhara** — *BSc (Hons) Computing*

2023 - PRESENT

Currently in the 1st Semester.

### **Gandaki Boarding School, Pokhara** — *I.Sc*

2019--2020

Passed grade 12 (I.Sc.). With B+ (2.95)

### **Network Security Expert (NSE)**

I am NSE 1 and NSE 2 certified by Fortinet Institute. You can view my certificates from [here](#).

## SKILLS

Web Penetration and vulnerability analysis

Good at Python scripting and Django web framework

Proficient in LAMP and MERN stacks

Devops (Git, Automations, Docker, CI/CD, Cloud)

Linux Administration

Network Security

SIEM & Open CTI Basics

Windows ADDS and vulnerability assessments with Nessus

Reverse Engineering

Binary Exploitation

Windows / Linux Forensics

Android App Pentesting

Good Communication, Presentation & Documentation Skills

## Highlights

### **Sagarmatha Hacktoberfest CTF 2020**

- 3rd Position (Solo)

### **TechSewa Nepal Bug Bounty**

- 5th Position

## PROJECTS

### [wss://Advanced Education System](#)

This system facilitates classroom sessions where students can find all the required course slides in one place. In fact it syncs the slide page number between presenter and viewer. As long as a student is on the school's profile page, the teacher can redirect them to any presentation or attendance/polling page, broadcast messages. Keep restricted permissions on documents and Sort them into categories where you can collaborate with others. Made in django as backend with django channels websocket for syncing, deployed with nginx and daphne. And [here's](#) Check-In feature that can be used in classrooms for attendance, polls and accepting enrollments for events.

### [SIEM - ELK STACK.yaml](#)

Home Lab Setup for Monitoring a few of my hosts. Hosted on my Raspberrypi4 and used cloudflare tunnel for exposing services to the Internet. The stack is composed of beats as collector, Elasticsearch for database, Kibana for Visualization, and Elastalert for SIIRP purpose. And [here's](#) another lab setup for real time health monitoring of hosts using telegraf as collector, influxdb as database and grafana for visualization.

### [LAMP Hosting service Provider.sh](#)

Administrator uploads a list of students and the system will create a new linux ssh, mysql, ftp account for each user and each user's apache website is hosted at a different port. The system is built on Ubuntu server OS with php for web app part and python for linux side automation scripts with mysql db between them. The project is focused for students taking web development and relational DB courses in colleges.

### [Routiney Discord Bot.py](#)

Nepal's Top (#1) Discord Bot. Routiney automatically send [RONB](#)'s new facebook posts to discord channels. It also sends the latest news from different online news sources. You can view horoscopes, calendars, listen to radios, view memes, do image manipulations and many more. Made in python and used mySQL, mongoDB, bash scripting and php to assist bot's different functionalities.

### [NEPSE Stock Analysis and Prediction App.\\$\\$\\$](#)

Fetches datasets from [nepalstock.com](#) and plots them in neat graphs and charts for different analysis and analytics. Also uses FB's prophet forecasting procedure for predictions.

### [Website Visitor's Info Grabber.php](#)

When you visit a website, know what data it can record about you. Including your mouse movements to fingerprint your behavior.

### [Wholesome new-tab browser page.js](#)

I bet you will like it and want to keep it as your browser's home page. Lots of pure js work there.

### [TED music player.exe](#)

Lightweight silent music player. Just double click once and you are done for forever. It will play music in the background. No player window pops up ever, just music and you. Control music using numkeys. Written in python and converted to exe using pyinstaller.

### [Small Practice Projects.html](#)

- [Django Blog WebApp](#)
- [Django Backend for Video Hosting Service](#)
- [Dockerized](#) CRUD [Node js](#) REST API with [Git](#) hooks and [CI/CD](#) implementation

### [Github Projects](#)

Currently I have a few repositories regarding python apps, PHP chat webapp, socket scripts, JS Obfuscation, Discord Bots and a few web exploits which can be viewed in [my github profile](#).