

## **Ranjit Pokharel**

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### **Main Objectives**

Former medical professional transitioning into IT, currently building technical skills through Harvard's CS50 courses in computer science and Python programming, as well as Linux training. With a strong commitment to learning, I'm eager to apply my problem-solving skills and new technical knowledge in an IT role.

### **Skills**

- Linux Administration: Btrfs, LVM, RAID, systemd, bash scripting, network configuration, user management.
- Python Development: Automation scripts, API integration, web scraping, data processing, Django, Flask.
- JavaScript, HTML, CSS, Bootstrap, Tailwind
- Virtualization, KVM, VirtualBox.
- Version Control: Git, GitLab, GitHub.
- Monitoring & Backup Tools: Timeshift, BTRFS snapshot tools.
- Database Management: MySQL, SQLite.
- Security & Hardening: SSL, SSH, firewalld, SELinux, TPM configuration.

### **Project**

#### **BTRFS Manager**

- **Btrfs Manager** is a Python tool for simplifying the management of Btrfs file systems, including snapshots, subvolumes, and partitions.

### **Education**

#### **Harvard's CS50**

- CS50's Introduction to Computer Science
- CS50's Introduction to Programming with Python

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**Florence College of Physiotherapy**

- Bachelor of Physiotherapy, 2015-2020 Affiliated with Rajiv Gandhi University of Health and Science

**V.S Niketan Higher Secondary School**

- Pre-University Education (HSEB Grade +2), 2015 School Leaving Certificate Examination, 2013