

# Pradeep Bhatta

✉ bhattapradeep425@gmail.com ☎ +977-9762476522 📍 Dhangadhi-5, Kailali, Nepal 🌐 LinkedIn

🐙 Github 🌐 Website

## Profile

Aspiring computer engineer with a passion for coding, a strong analytical mindset, and a drive for entrepreneurship. Currently gaining hands-on experience in software development and AI to build innovative tech solutions.

## Education

**A-Levels, Budhanilkantha School**

2022 – 2024

Studied Physics, Chemistry, Mathematics, Computer Science and English Language

- Treasurer at BNKS Scout Club
- Content Manager of School Magazine (BNKS Chronicles)

## Professional Experience

**Research Intern,**

*Kathmandu Institute of Applied Science (KIAS)*

09/2024 – present

Developing machine learning models for drug quality detection using Raman spectroscopy under a professor's guidance.

**Social Media Manager, Mushoor**

07/2021 – 10/2021

Managed website and social media for Mushoor, significantly increasing their visitors and traffic.

**Software Development Intern, Yarsa Tech**

07/2024 – 09/2024

Worked as a Software Developer Intern at Yarsa Tech, contributing to software testing, debugging, and project management.

## Leadership and Organizations

**Scout Club BNKS, Treasurer**

2023 – 2024

- Led scout activities, orientations, scout games.
- Managed Club's finance and records and brought sponsorship for the club.

**Maths and STR club BNKS, Program Coordinator**

2023 – 2024

- Conducted national maths league, Inter school chess competition, quizzes, cross country and math relay.
- Organized a VR and planetarium showcasing the universe session for entire school of 1200 students.

**Others, Organizer**

- Organized Annual Dance Competition and GauriShow (Cultural Program)
- Organized school cleaning and Green Week activities.
- Participated in tree plantation and created a food waste report.

## Projects

**Machine Learning Model for Nepali Character Classification Using CNN**

09/2024 – present

ML Model that correctly classifies the 46 nepali characters, trained using 92000 images

**Document Scanner**

OpenCV project that scans document and produces a scanned image

**Tic Tac Toe Game**

Multiplayer and AI versions of Tic Tac Toe game using minmax algorithm and pygame, Built using pygame

**Space Shooter game**

Simple space shooter game with endless rounds using pygame

**Snake Game**

Simple snake game using pygame

**Pong Game**

Singleplayer game using pygame

## Skills

**Programming**

Python, C, SQL, Git, Docker, (Libraries Including Pygame, Numpy, Pandas, Matplotlib, OpenCV...)

**Linux and Shell Scripting**

Shell Script - Bash (UNIX Shell), Extract Transform and Load (ETL)

**Cybersecurity**

Frameworks including NIST and Ethics, TCP/IP

## Courses And Certifications

**Python with everybody (I / II), Coursera**

- Basic python syntax and concepts including control flow and iteration, data structures including list, tuples and dictionaries.

**Google Cyber Security Professional Certificate (I / II), Coursera**

- Cybersecurity tools, SQL, Types of cyberattacks, cybersecurity ethics, Managing Risk and vulnerabilities, CISSP security domains, NIST Framework, SIEM and SOAR Tools

**Hands on Introduction to Linux Command and Shell Scripting, Coursera**

- Functioning of Linux System, Basic Linux command, Shell scripting,
- Built an automated system to access and back up encrypted password files on core servers, reducing human error and enhancing security.