

# Nishan Paudel

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## Profile

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Enthusiastic and detail-oriented Software Engineering student with a strong foundation in C programming, JavaScript, SQL, and machine learning with Python. Currently expanding expertise by learning .NET for modern software development. Experienced in project coordination, international service, and community outreach through leadership roles in Rotaract and the Hult Prize. Passionate about research and development, with keen interests in emerging technologies like quantum cryptography and blockchain.

## Education

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**Bachelor in Software Engineering**, *Nepal College of Information Technology* 11/2022 – Present  
Lalitpur, Nepal

- Consistently achieved high academic performance with GPAs of 3.81, 3.82, 3.90, and 3.87 in the first four semesters.
- Gained a strong foundation in programming, software development, machine learning, and database management.

## Organisations

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**Rotaract Club of Bhaktapur**, *International Service Chair* 07/2024 – 07/2025  
Bhaktapur, Nepal

- Coordinated cross-border projects, enhancing collaboration and cultural awareness within the community.
- Lead international service initiatives, fostering global connections and cultural exchange among youth.
- Organized impactful service programs, contributing to Rotaract's global mission of positive change.

**Hult Prize at NCIT**, *Academic Coordinator* 11/2024 – 04/2025  
Lalitpur, Nepal

- Leading academic coordination for one of the largest student entrepreneurship competitions.
- Recognized as the best contributor among coordinators for outstanding support and guidance to participants.

## Projects

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**Personal Project: Basic File Transfer Application (Newtork Programming)** 07/2025 – 07/2025

- Developed a TCP-based file transfer application in C using Winsock2 for the Windows platform.
- Implemented both client and multi-threaded server modules to support concurrent file transfers.
- Ensured robust error handling and basic recovery mechanisms.
- Compiled and tested the application using GCC (MinGW-w6) on Windows 10/11.

**Personal Project: Hundred Prediction System** 09/2024 – 11/2024

- Developed a score and win prediction system for The Hundred cricket tournament using Python, machine learning, and Streamlit.
- Addressed the gap in predictive analytics for this unique format with 100-ball innings and 5-ball overs.

- Deployed the system for real-time user access, demonstrating end-to-end project execution.

## Skills

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### Programming Languages

C, JavaScript, Python, PHP, SQL

### Tools

VS Code, Google Colab

### Communication & Leadership

Proven ability to lead and coordinate projects as International Service Chair (Rotaract) and Hult Prize Academic Coordinator

### Research & Analytical Skills

Strong interest in quantum cryptography, blockchains, and cutting-edge technology

### Machine Learning

Model training, data preprocessing, and analysis with Python

### Technical Proficiency

Microsoft Office (Word, Excel, PowerPoint, Project), Google Suite (Docs, Sheets, Slides), Microsoft Team

## Certificates

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- Associate Data Analyst: datacamp [↗](#)
- Introduction to CyberSecurity : Cisco Networking Academy [↗](#)
- Responsive Web Design : freeCodeCamp [↗](#)
- Postman API Fundamentals Student Expert [↗](#)
- JavaScript Algorithms and Data Structures : freeCodeCamp [↗](#)

## References

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**Assistant Prof Er. Bhusan Thapa**, *Head of Department*, Nepal College of Information Technology  
bhusan@ncit.edu.np, 9844478889