

Nishan Paudel

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Profile

Enthusiastic and detail-oriented Software Engineering student with a strong foundation in C programming, JavaScript, SQL, and machine learning with Python. 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

11/2022 – present Lalitpur, Nepal	Bachelor in Software Engineering <i>Nepal College of Information Technology</i> <ul style="list-style-type: none">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.
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Organisations

07/2024 – 07/2025 Bhaktapur, Nepal	Rotaract Club of Bhaktapur <i>International Service Chair</i> <ul style="list-style-type: none">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.
11/2024 – 04/2025 Lalitpur, Nepal	Hult Prize at NCIT <i>Academic Coordinator</i> <ul style="list-style-type: none">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.
11/2021 – 03/2022 Bhaktapur, Nepal	Shree Sanjay Sai Vidhya Mandir <i>Science Tutor</i> <ul style="list-style-type: none">Guided students in understanding fundamental scientific concepts, fostering curiosity and critical thinking.Developed personalized learning plans to address diverse learning needs, improving academic outcomes.Encouraged a hands-on approach to learning, enhancing student engagement and comprehension.

Projects

07/2025 – 07/2025	Personal Project: Basic File Transfer Application (Newtork Programming) <ul style="list-style-type: none">Developed a TCP-based file transfer application in C using Winsock2 for the Windows platform.
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- 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-w64) on Windows 10/11.

09/2024 – 11/2024

Personal Project: Hundred Prediction System

- 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

Programming Languages

C, JavaScript, Python, PHP, Java, SQL



Machine Learning

Model training, data preprocessing, and analysis with Python



Research & Analytical Skills

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



Communication & Leadership

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



Tools

VS Code, Google Colab, IntelliJ IDEA



Technical Proficiency

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



Languages

• Nepali

• English

• Maithili

References

Assistant Prof Er. Bhusan Thapa, *Head of Department*, Nepal College of Information Technology
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