

Rohan Poudel

New Haven, CT | nsrapoudel@gmail.com | Portfolio | LinkedIn | GitHub

Education

University of New Haven, Master of Science in Computer Science Expected: May 2026

- **Awards:** Deans Scholarship
- **Courses:** Data Structures, Algorithm Design & Analysis, Script Programming with Python

Leeds Beckett University, Bachelor of Science with Honors in Computing Sep 2020 - Jul 2023

- **Grade:** First Class Honours (Summa Cum Laude)
- **Awards:** Academic Performance Scholarship

Experience

Software Engineer, Danphe Software Labs – Kathmandu, Nepal Jul 2023 - Jul 2024

- Collaborated with cross-functional teams in developing web and mobile apps for an MLM company, ensuring that everything aligned with client expectations and industry standards while meeting deadlines and budget constraints.
- Led an overhaul of an in-house management system using modern technologies, utilizing React with Typescript and Ruby on Rails resulting in improved performance and user experience.
- Engineered scalable localization feature for an e-commerce platform broadening the customer base, enhancing user engagement through tailored content, and improving accessibility for diverse markets.
- Developed a personalized interactive survey for an e-commerce platform, resulting in a 10% increase in subscription and gift orders and enhancing user feedback collection and analysis.
- Conducted integration and unit testing of various functionalities, ensuring software reliability and functionality while implementing best practices for testing frameworks.
- Collaborated with the QA team to develop and enhance comprehensive testing protocols that helped identify and resolve bugs before feature releases.

Software Engineer, Varsity Tech – Kathmandu, Nepal Jan 2024 - Jun 2024

- Collaborated with UX designers to translate wireframes and mockups into high-quality code, improving the overall visual appeal of the various client's websites.
- Worked with team members to optimize web app performance, achieving a consistent 30% improvement in load times.
- Configured Private VPS servers for clients to deploy and update their in-house software solutions reliably without downtime.

Skills

Languages: Python, JavaScript, TypeScript, Ruby, SQL, Java

Frameworks & Libraries: React, React Native, NodeJS, Ruby on Rails, FastAPI, Django, NumPy, Pandas, Matplotlib, MVC Architecture

Tools & Platforms: Docker, AWS, Git, GitHub, PostgreSQL, MySQL, MapReduce

Projects

CommuteMate (GoatHacks) | Django, React Native, Expo, Google Places, Postgres 2025

- Developed a ride-sharing app for university students that connects users with similar routes, reducing commuting costs and carbon footprints.

MedTrain AI (HackPrinceton) | RAG, Unity, Meta Llama Ruby on Rails, Convai 2024

- Led my team to develop MedTrain AI, a VR medical simulation app that uses Meta Quest 3s headset and AI-powered virtual patients to help medical students improve patient communication and diagnostic skills.

Health Journal (Columbia DivHacks) | RAG, Meta Llama, Ruby on Rails 2024

- Collaborated with teammates to develop an AI-powered personal health assistant that provides personalized tips and best practices tailored to users based on their health journal.