

# Ankit Kharel

ankeetkharel@gmail.com | ankit.kharel@ncit.edu.np | github.com/ankit50

## PROFILE

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Enthusiastic Web Developer with a strong foundation in Computer Engineering and 4+ years of experience teaching programming languages and frameworks to undergraduate students. Proficient in guiding students through core subjects like C, C++, Java, Data Structures, and Web Technology, while mentoring and supervising real-world web-based projects. Recently transitioned into full-stack development, focusing on building responsive, scalable applications using the MERN stack (MongoDB, Express.js, React, Node.js). Passionate about clean code, continuous learning, and contributing to collaborative teams in dynamic environments.

## EDUCATION

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### Bachelor in Computer Engineering

2019

Tribhuvan University, Kantipur Engineering College Dhapakhel, Lalitpur, Nepal

## TECHNICAL SKILLS

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**Programming Languages:** C/C++, Java, JavaScript, TypeScript, Python

**Front-End Frameworks:** React.js, Tailwind CSS, Bootstrap, shadcn/ui, Material UI, JavaFX

**Back-End Frameworks:** Node.js, Express.js

**Database Management:** MongoDB, PostgreSQL, MySQL

**Tools & DevOps:** Git, GitHub, Postman, VS Code, CI/CD (GitHub Actions), Linux/Unix

**Other Skills:** REST API Design, Database Schema Design, Performance Optimization, LaTeX

## WORK EXPERIENCE

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### Assistant Teaching Professor and Project Supervisor

Nepal College of Information Technology (NCIT), Lalitpur, Nepal

Jan 2020 – Present

- Instruct C, C++, Java, Data Structures & Algorithms, and Discrete Mathematics classes for undergraduate students.
- Supervise students' final year and semester projects, guiding research on AI/ML and mentoring web development projects.
- Conduct workshops and training sessions to enhance practical programming and AI skills.
- Update course curriculum for Programming in C and Discrete Mathematics.
- Provide weekly progress reports to the department.

### Learning Management System (LMS) Administrator

Nepal College of Information Technology (NCIT), Lalitpur, Nepal

Jan 2022 – Apr 2023

- Provided technical support to students and staff, troubleshooting LMS access and navigation issues.
- Conducted training sessions on LMS tools for faculty and students.
- Managed system updates, backups, and security protocols to ensure smooth LMS operation.

### Associate Data Engineer Intern (Unpaid)

Gimmick Box Engineering Solutions Pvt. Ltd, Nepal

Jun 2019 – Dec 2019

- Developed and maintained front-end features for commercial websites using JavaScript, HTML, and CSS to enhance user experience and functionality.
- Collaborated on building data-driven web applications by integrating SQL-based data solutions and pipelines to ensure accurate and efficient data flow.
- Assisted in designing database schemas that supported scalable and performant web services.

## SELECTED PROJECTS

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- **Home Automation with Raspberry Pi (Undergraduate Minor Project):** Developed a system integrating networking and relay controls for remote appliance management, with multi-user real-time synchronization.
- **Semantic Question Pair Matching with Deep Learning (Undergraduate Major Project):** Designed a deep learning model to predict semantic equivalence between questions using Word2Vec embeddings and compared several classification models against an Artificial Neural Network.

## AWARDS AND PARTICIPATION

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- **Merit-based Scholarship, Kantipur Engineering College (2019):** Awarded for academic excellence in 1st and 4th semesters.
- **Best Minor Project in Computer Engineering, KEC (2018):** Recognized for outstanding project innovation.
- **Software Competition Organizer, LITE Technical Exhibition (2019):** Showcased a developed software project.
- **Deep Learning Workshop (NCIT, 2023):** Completed a 3-day training under UGC Nepal's Capacity Development Program.
- **Certification of Participation (ICSET, 2024):** Presented a paper titled "Inflation Dynamics in Nepal: Insights from ARDL and ECM model".