

# Abhiyan Khanal

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I am a 2nd-year Computer Engineering student with hands-on experience in machine learning. I have learned the MERN stack for full-stack web development and Flutter for building cross-platform mobile applications. My skills also extend to working with various technologies, including HTML, CSS, JavaScript, Dart, and Git. I am passionate about problem-solving, teamwork, and continuously learning new tools to enhance my development capabilities.

## EDUCATION

### Bachelors of Computer Engineering

Lalitpur

*Pulchowk Campus*

Jul, 2023 - Present

## PROJECTS

### Gantabya

A travel companion app featuring in-app chat feature, trail definition, weather tracking, and facility tracking using OpenStreetMap for enhanced group trip coordination and city-to-city travel.

<https://github.com/Abhiyan31415/Elsendero>

### Cogni Care

CogniCare is a mobile application developed to support dementia patients and their caregivers in managing daily activities, ensuring safety, and improving communication. The app features medication reminders, real-time location tracking, caregiver communication through in-app chat, and emergency alerts. It also includes activity monitoring to assist caregivers in providing better care, all within a user-friendly interface designed for ease of use.

<https://github.com/anujpaude1/dementia>

### Hamro Bus

Hamro Bus is a mobile application designed for intercity bus travel in Nepal, offering a seamless experience for both passengers and bus operators. The app allows users to browse available buses, select seats, and complete payment for tickets online. It also features an admin panel for bus operators to manage ticket sales, view schedules, and track bookings efficiently. The platform enhances the convenience of booking bus tickets by integrating seat selection, secure payment options, and real-time booking management.

<https://github.com/Abhiyan31415/HamroBus>

### Evolutionary Creatures Simulation with Genetic Algorithms

This project simulates the evolutionary development of virtual creatures using genetic algorithms. Creatures are spawned into an environment where they reproduce, mutate, and evolve over generations. Their neural network brains adapt, leading to new species emerging and competing with established species based on defined selection criteria.

[https://github.com/ankitrajmehta/genetic\\_algo](https://github.com/ankitrajmehta/genetic_algo)

## TRAINING/CERTIFICATIONS

### Machine Learning Specialization

2025

### Developing Back-End Apps with Node.js and Express

2023

## SKILLS

React.js, Node.js, MongoDB, Express.js, Python, Numpy, Tensorflow

