

# Dipesh Dhungana

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## EDUCATION

### Advanced College of Engineering and Management (IOE - ACEM)

Bachelor in Computer Engineering

Kalanki, Kathmandu

Graduated: August 2025

## EXPERIENCE

### Academic & Technical Experience

Jan 2021 – Present

Advanced College of Engineering and Management

- Developed strong fundamentals in programming, data structures, databases, and software development
- Hands-on experience with C, C++, Python, SQL, and object-oriented programming
- Worked on academic and practical projects involving web, mobile, and ML-based systems

### Research Assistant – Minor Project (PLAY-E)

Dec 2023 – Mar 2024

Advanced College of Engineering and Management

- Worked on predictive features and analytics using Python
- Designed and implemented user-facing frontend components

### Research Assistant – Major Project (Medivise)

Aug 2024 – Mar 2025

Advanced College of Engineering and Management

- Developed ML-based medicine recommendation models using Python
- Built supporting web interface using HTML, CSS, and JavaScript

## PROJECTS

### Medivise – Personalized Medicine Advisor

Dec 2024 – Mar 2025

- Built a machine learning-based medicine recommendation system using SVM, Random Forest, KNN, and Naïve Bayes
- Developed Flask-based backend API and integrated frontend
- Explored future enhancement using Graph Neural Networks (GNNs)

### PLAY-E – Gaming Analytics Platform

Dec 2023 – Mar 2024

- Developed a web platform for gaming performance analytics and social interaction
- Implemented data visualization using ChartJS and frontend with HTML, CSS, and JavaScript

### My Tea Ghar – Flutter E-Commerce Application

Apr 2025 – Present

- Developing a Flutter-based mobile application for e-commerce use cases
- Integrated Firebase for authentication, real-time updates, and user-specific data

### Additional Flutter Applications

2025

- Developed small-scale Flutter applications including World Time App and Quotes App
- Focused on clean UI, API integration, and state handling

## TECHNICAL SKILLS

**Programming Languages:** C, C++, Python, Dart, JavaScript, SQL

**Web & Mobile:** HTML5, CSS, Tailwind CSS, Flutter, Node.js

**Databases & Backend:** MySQL, MongoDB, Firebase, Flask

**Tools & Platforms:** Git, GitHub, VS Code