Udip Maharjan

Personal details

Udip Maharjan

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Skills

- Python
- Java
- HTML
- CSS
- Javascript
- C
- C++

Languages

- English
- Nepali
- Nepal Bhasa
- Hindi

Education

Bsc (Hons) Artificial Intelligence — **Sep 2024**
Islington College, Kathmandu

+2, NEB — **Aug 2022 - May 2024**
United Academy, Lalitpur

Certificates

AWS Academy Data Engineering, AWS — **Dec 2024**

Foundations: Data, Data, Everywhere, Google — **Nov 2024**

Python for DataScience,Ai &Development,IBM — **Aug 2024**

Introduction to Front-End Development, Meta — **Aug 2023**

Projects

Skin care Management System — **Jun 2025**
WeCare Skincare Management System is a simple application that helps manage product inventory, handle sales with a “Buy 3 Get 1 Free” offer, and maintain records through invoice generation. It reads product details from a text file, displays items with a marked-up selling price, updates stock after each sale or restock, and generates a unique invoice for each transaction.

Gym management system — **Jun 2025**
Developed a gym management system in BlueJ with classes for GymMember, RegularMember, and PremiumMember. The system tracks member details, attendance, and loyalty points. Created a GUI (GymGUI) for easy interaction and management. Implemented different benefits for regular and premium memberships. Final deliverables include Java files for each class and a detailed report.

Smart Farming with IoT — **May 2025**
I developed an IoT-based smart farming system to optimize irrigation and adapt to climate changes for a local community farm. The solution uses an ESP32 board to monitor soil moisture, temperature, and humidity, adjusting irrigation schedules accordingly. It integrates an ultrasonic sensor to track water levels in storage tanks, preventing shortages. The system is connected to the Blynk platform for real-time monitoring and alerts, ensuring farmers can manage crops remotely. The design utilizes sensors, a water pump, LCD display, and other hardware to automate and optimize farming operations.

Watch E-commerce Website — **Jan 2025**
I created an eCommerce website for selling watches with the help of my friend. The website allows users to view a variety of watches with detailed visuals and information. Users can easily add their favorite watches to the cart and proceed to purchase. The website was developed using HTML for structure, CSS for styling, and JavaScript for interactivity. Features like product display, cart management, and user-friendly navigation were implemented. This project helped enhance my web development skills and teamwork experience.