

Sabin Bhattarai

Student, KATHMANDU UNIVERSITY

Dhulikhel , Kavre • +977-9867929834 • sabinbhattarai520@gmail.com

Aspiring Computer Engineer currently pursuing a degree at Kathmandu University, with a strong interest in Machine Learning and Generative AI. Eager to apply theoretical knowledge to practical applications, and continuously expanding my skills in advanced AI technologies. Passionate about innovation and dedicated to contributing to cutting-edge projects in the tech industry.

EDUCATION

Secondary Level Education

Palpa Paragon English Boarding School

Palpa

May, 2004 - Apr, 2017

High School

Liverpool International College

Kathmandu

Aug, 2017 - May, 2019

Bachelor of Engineering - Computer Engineering

Kathmandu University, School of Engineering

Dhulikhel

Sep, 2020 - Present

PROJECTS

Office Management System

Developed an Office Management System with Qt, enhancing scheduling, resource allocation, and employee management, gaining experience in C++ and GUI design.

<https://github.com/codenothappening/Office-Management-System.git>

E-Commerce Website

Developed a full-featured e-commerce website with the MERN stack, including secure transactions, user authentication, product search, and responsive design, showcasing front-end/back-end development and database management skills.

<https://github.com/codenothappening/E-Commerce-Website.git>

NEPSE Stock Market Prediction Using LSTM(Long Short Term Memory)

Undertook a semester project predicting Nepal Stock Exchange (NEPSE) stock prices using LSTM neural networks. Scraped real-time data, preprocessed it, and built an LSTM model for forecasting. Enhanced skills in Python, data scraping, machine learning, and time-series analysis, showcasing the application of advanced neural network techniques to financial data.

<https://github.com/codenothappening/NEPSE-Stock-Prediction-LSTM.git>

Flutter Food Delivery Application

Developed a comprehensive food delivery app using Flutter for iOS and Android. Features include user authentication, restaurant browsing, menu selection, order placement, real-time tracking, and payment integration. Also implemented user reviews, favorites, and push notifications. Showcases skills in Dart, mobile development, and UI/UX design, with focus on cross-platform performance and intuitive interfaces.

<https://github.com/codenothappening/Flutter-Food-Delivery-Application.git>

PDF Answer Retrieval using LangChain and Flutter

Developed a PDF Answer Retrieval system using LangChain for NLP, implemented in Flutter for cross-platform compatibility. Users can upload PDFs and query specific information, receiving precise answers. Showcased expertise in NLP, Dart programming, and mobile app development.

<https://github.com/codenothappening/PDF-answer-Retrival-Using-Langchain---Generative-AI.git>

Virtual Try On Using Stable Diffusion Model

"Revolutionizing retail experiences through Virtual Try On technology powered by a Stable Diffusion Model for seamless and accurate virtual fitting."

<https://github.com/codenothappening/VTON-StableDiffusion>

Knowledge Gap Analysis and Module Creation using NLP

This project focuses on Knowledge Gap Analysis and Module Creation using NLP. It generates dynamic quizzes to assess a user's understanding of a topic, identifies areas of improvement, and creates personalized study modules based on the results, offering an adaptive learning experience.

https://github.com/codenothappening/codewave_Course-Craft

ACHIEVEMENTS

Certificate of Appreciation

At KU HackFest 2022, I contributed to the Design Committee, creating visuals and interfaces that ensured a seamless, engaging event.

Participated on KU HackFest 2023

Participated in KU HackFest 2023 and won the "Best Use of Redis" award.

Participated on Infinity Code-wave 24 Hours Hackathon

Our team developed a Knowledge Gap Analysis and Module Creation system during a 24-hour hackathon. Using NLP, we generated dynamic quizzes, analyzed users' knowledge gaps, and provided personalized study materials, creating a tailored learning experience.

TRAINING/CERTIFICATIONS

Machine Learning Bootcamp

2022

Kathmandu University

SKILLS

Mobile Development, Machine Learning, Deep Learning, Generative AI, Data Science, MongoDB(Mongoose) / Node JS (Express Js), Programming Skills - MATLAB, Arduino IDE, Java, VHDL, Python, Flutter Programming

LANGUAGE

English, Nepali, Hindi