Bhaskar Subedi

bhashkarsubedi@gmail.com

https://www.linkedin.com/in/bhaskarsubedi/
https://github.com/vaskar11

Education

2021 – Present **Advanced College of Engineering and Management**
Bachelor's in Computer Engineering, Tribhuwan University

Research Interests

I am interested in using machine learning techniques from the perspective of data. Recently, I have been focusing on problems in data selection, data labeling, and data representations. I am keenly interested in developing machine learning models that best suits the data distribution. Skilled in Python, machine learning, and web development (Django).

Projects:

Bird Recognition System:

- Responsible for Image Processing, Model building using CNN, Hyper parameter tuning (Achieved 78% accuracy).
- Developed the project using pytorch, sklearn, mathplotlib, numpy .
- Dataset consist of 8000 images of 38 endangered Nepalese birds.

Breast Cancer Classifier:

- Compared and analyzed the accuracy of different classifier(Decision tree , Support Vector Machine, Logistic Regression)
- Applied data wrangling (data cleaning, integrating, decomposition, handling missing values, data normalization and feature selection), analysis and visualization of Wisconsin Breast Cancer Dataset.
- Applied linear algebra, probability and statistical techniques on dataset to identify patterns in the dataset.

Suduko Fixit

- Used backtracking algorithm and implemented stack as a data structure.
- Implemented object oriented concepts in C++

Ecommerce Website for grocery

- In this project costumers can view, choose, add to cart, order and also can make payment through online or at the delivery time for the grocery items. The owner can add product and its price, update it and fulfill the supply demand chain.
- Built a website using Django framework, HTML, Bootstrap, MySql for the web development.

Nepali Date Converter

- This project is a Python-based tool to convert an English (Gregorian) date to its equivalent Nepali (Bikram Sambat) date. It also includes features to display additional details such as the corresponding tithi (lunar day), special events on that date, and Nepali weekday names with the Nepali calendar of that day
- Built in a webpage to make it more beautiful using Django. Here when the user enters the English date then the model will convert it into its cross ponding Nepali date, the cross ponding tithi and the calender page of that day.

Work Experience

Virtual Internship at Codsoft(Artificial Intelligence)

- Built a simple chatbot using regular expression.
- Image caption generator

Coursework

Relevant undergraduate courses:

- Data Structures and Algorithm
- Data Mining
- Artificial Intelligence
- Probability and Statistics
- Numerical Methods
- DBMS
- Discrete Mathematics

Technical Skills

- **Programming Language:** Python, C++, C, HTML, CSS
- **Framework and Tools**: Numpy, Pandas, Pytorch, Django, Matplotlib, sklearn, matlab.
- **Documentation and Presentation tools**: Latex, Word, Excel, Powerpoint.

Interests and Hobbies

Programing, Music, Book reading, travelling, meeting new people, logical problem solving.