

PRIYANKA BHATTA

Data Science/ Web Dev/ Machine Learning Enthusiast

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PERSONAL PROFILE

A driven individual who enjoys digging deeply into topics that catches my attention through thorough analysis and research.

Languages : Python, JavaScript, HTML, CSS, Django.

PROJECTS

EasySummary - A web application that performs text summarization and sentiment analysis

In this project, I have built a web application using HTML, CSS, JS and Django where my application performs text summarization of text , URL's and files using natural language processing along with an additional feature of performing sentiment analysis using NLTK library. I have used TF-IDF , LSA and LexRank algorithm to perform summary .

Using Big Data Analytics to analyze and identify patterns storm events across different states and territories of USA for year 2022

This project is made using PySpark to analyze storm occurrences of various states and territories of USA , from data loading and preprocessing through modeling and visualization. I have used KMeans and Bisecting K Means for modeling the data and silhouette score to assess the compactness and separation of clusters.

Malikarjun Viddhyashram

Malikarjun Viddhyashram is a Non-Profit Organization in Nepal which aims to serve various social activities. I am currently developing this website using HTML, CSS and JavaScript.

Other Sample Machine Learning Projects Including:

- Classification of Dogs and Cats using CNN and VGG16
- Sentiment Analysis of Rotten Movies Reviews Dataset using Recurrent Neural Network
- Iris Species Classification and Breast Cancer Prediction using Logistic Regression
- House Data Analysis and Prediction using Multiple Linear Regression
- Music Genre Classification using KNN
- [and much more here.](#)

EDUCATION AND ACHIEVEMENTS

Undergraduate: BSc. (Hons) Computer Science

Herald College Kathmandu | 2021-2023

- Student Academic Representative (StAR) of the batch
- Recipient of Academic, Attitude, Attendance Scholarship
- Finalist in Herald Devfest 2022 as member of AI Learners Community

Higher Secondary Level

Uniglobe SS/College | 2018-2020 | NEB

- Mathematics and Science
- GPA: 3.29

Secondary Level

The Chandbagh School

- GPA: 3.75

SKILLS THAT COME IN HANDY

- Teamwork
- Leadership
- Presentation & Communication
- Brainstorming
- Planning and Decision Making
- Research

FRAMEWORKS & LIBRARIES



ACTIVE RESEARCH AREAS

- Convolution Neural Networks
- Recurrent Neural Network
- Natural Language Processing
- Machine Learning Algorithms
- Big Data Analytics
- Deep Learning
- Computer Vision
- Data Structures and Algorithm