Kishan Modasiya

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Project Work

Water Potability (Link of web app)

- This project predicts whether water is potable or not. It has trained on dataset contains 3k different water bodies from Kaggle.
- Performed EDA for check distribution of features. Formed pipeline using Scikit-Learn for impute missing value, scaling and transformation of columns. Applied Random Forest Classifier for fit data and it gave 85% accuracy on unseen data/test data.
- Designed a web app using StreamLit and deployed it on StreamLit cloud.

Spam Detection

- Spam detection model which predicts whether mail is spam or not.
- It has trained on dataset which contains around 5k sample mail with label 'Spam' and 'Ham'. It predicts whether entered mail is spam or not. I made it using Flask and Flasgger, built a model using Sklearn library.

Text Summarization

- This project gives you summary of paragraph which is given by user as input.
- This is basically NLP project. First used sentence and word tokenizer for split data into words. Then it generates similarity matrix by using cosine distance between two sentence vectors. In last, it'll give top n sentence from the ranked sentence.
- For use this project, just change sample.txt file and run Python file. You can change number of lines of summary.

YouTube Video Downloader

- This is a desktop application which download YouTube video/audio by providing link of it.
- Use Tkinter GUI and Python for creating it. For downloading video and all YouTube related tasks, I used pytube library which allows you download YouTube video. In app, insert link of the video, then select stream from the list, browse folder where you want to download it and hit download button.

Other Projects

Implemented other projects like Book recommendation system, Cat and Dog Image classifier, SMS text classifier, Calculator, TicTacToe (GitHub)

Education

Vishwakarma Government Engineering College, GTU   **Ahmedabad**

      B.E. in Computer Engineering   2019-2023

      8.94 CPI / 9.00 CGPA

Skills & Interests

Skills

Python | Machine Learning | Deep Learning | Natural Language Processing | Model Deployment | Data Analysis | Tkinter GUI | Data Structure & Algorithm | C | C++ | JAVA

Interests

Create Blog on **Medium** | Write Machine Learning thread on **Twitter**

Courses & Certification

- **Machine Learning Course by Stanford University | Coursera (Certificate)**
- **Machine Learning with Python | FreeCodeCamp (Certificate)**