SENTIMENTAL ANALYZER PROJECT

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INTRODUCTION

The Sentimental Analyzer is a versatile tool that can perform sentiment analysis on different types of data, including text, audio, reviews, and news articles. Sentiment analysis is one of the fastest-growing research areas in computer science, making it challenging to keep track of all the activities in the area. In our project, we aim to achieve our goal of accurately predicting a user's sentiment by analyzing the data provided using different types of input data.

ICONS

QR CODE

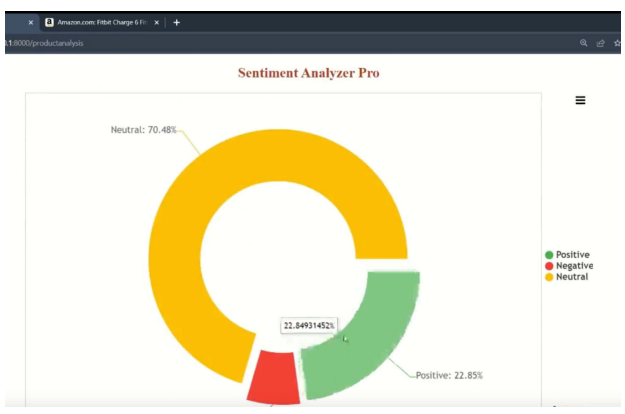
Repo

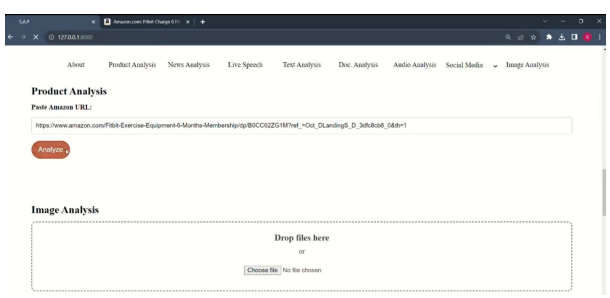
Live Demo

ENHANCEMENT

- Facebook post Analysis using Deep Learning Feature inclusion
- Twitter post Feature inclusion
- Text analysis for Spanish language inclusion
- Image analysis Feature inclusion
- UI Improvement for enriching user interaction with the Application
- Documentation Improvement for reflecting project's value accurately
- Addition of Builds and Workflows for better development activitiesPublic facing webpage to get feedbacks,
- Raise and handle issues, Discuss & Grow with enthusiasts and supportive community

SNAPSHOTS





WORK FLOW

Customers interact with our Django web application to easily select their input for sentiment analysis. They have several options to choose from, including entering a product web link, uploading a text file, pasting a paragraph, or uploading an image. Once the input is submitted, users can view detailed charts that help analyze the sentiments behind their submissions. Additionally, they have the convenience of downloading or saving the results for further processing or presentation.

FUTURE SCOPE

- Implement user authentication and maintain analysis report history
- Visualize sentiment distribution in product analysis with user counts
- Upgrade news analysis by utilizing a Google News scraper
- Rebrand Facebook analysis as Social Media Analysis, now including LinkedIn and Reddit
- Dockerize the product for streamlined development processes.
- Scale up the user experience.

Featuring **4** comprehensive test cases covering **text, product reviews, PDF documents, and audio sentiment analysis**, ensuring full-spectrum emotional insights from diverse data sources!