TRUST GUARD

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PROBLEM STATEMENT

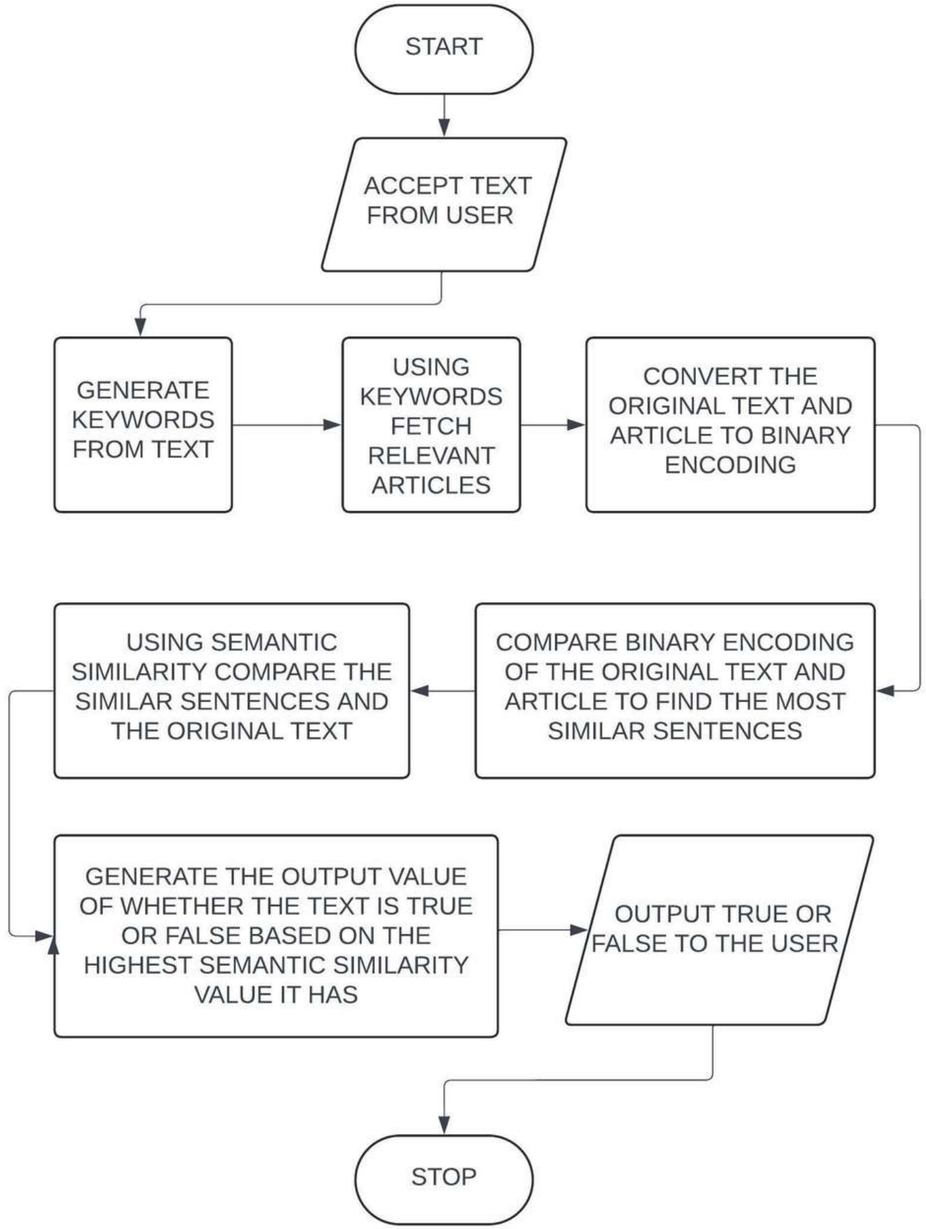
AI-driven Fake News Detection and Mitigation

The spread of misinformation and fake news online poses a significant threat to public discourse and trust in information sources. Manual fact-checking is slow and resource-intensive, making it difficult to keep pace with the constant flow of online content.

Our Solution

FLOWCHART

"Semantic Analysis and Fake News Detection Flowchart"



Features

Easy to Use

The user interface is designed to be intuitive and user-friendly, with clear navigation and easily accessible features.

Semantic Similarity Comparison

Semantic similarity techniques are employed to compare the input text with sentences from the retrieved articles, assessing the degree of similarity between them.

Keyword Extraction

The system automatically extracts keywords that are important, from the input text to identify key topics and concepts.

ScreenShots

On the X-axis:

0 - Antarctica is cold.

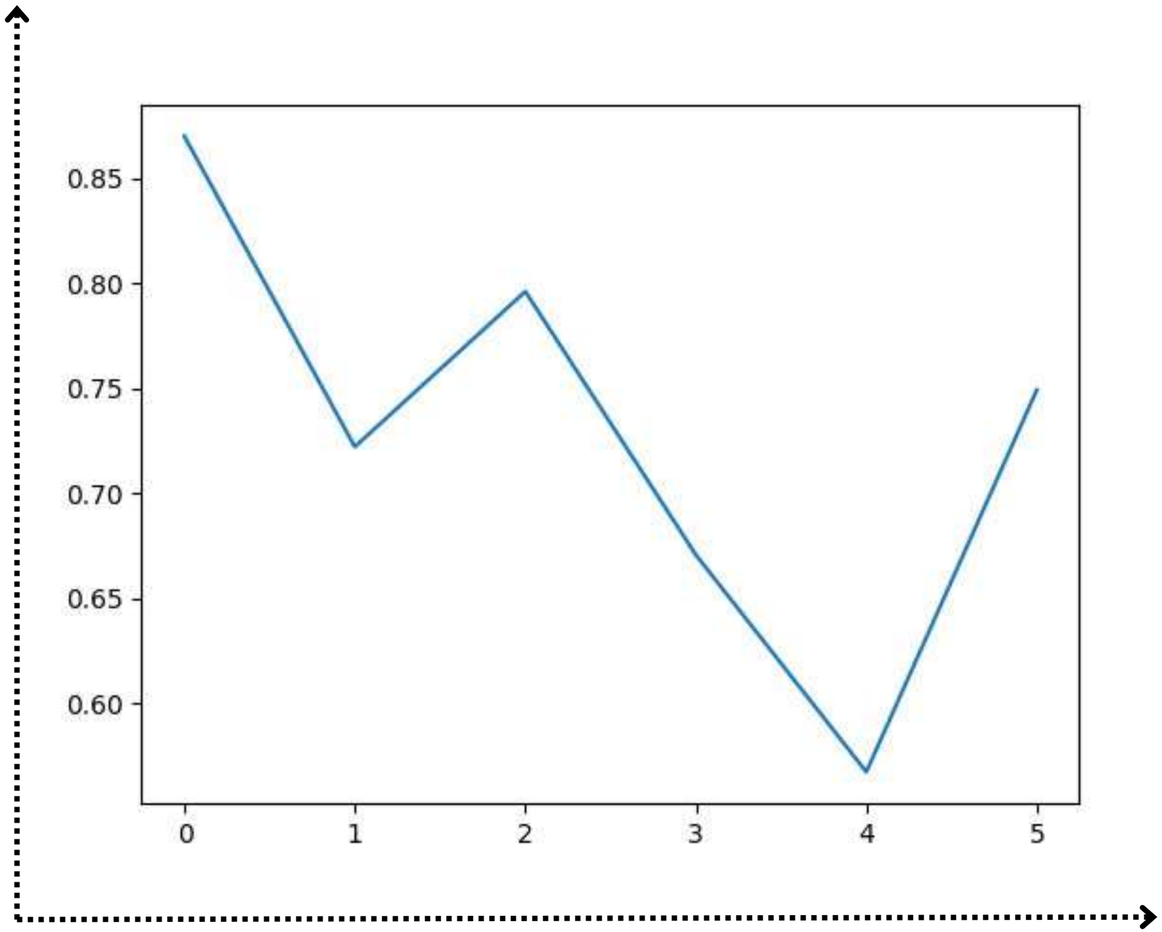
1 - It rains heavily in India.

2 - Africa is a continent.

3 - India is a capital city.

4 - Delhi is a country.

5 - Stephen Hawking is alive



FUTURE SCOPE

To develop a real-time plugin with support across multiple systems that can accurately assess the truthfulness of an article, image, or video.
To provide support for a range of different languages to further reduce the spread of misinformation.
Lastly, as a tool to make the work of the user, provide summaries for an article, image, or video with ease of access features for those suffering from disabilities.

FUTURE FEATURES

01

As a plugin or an add-on, our product will be capable of providing real time analysis on misinformation.

02

Enable analysis and detection in multiple languages to cater to diverse user populations.

03

Provide real-time analysis and feedback to the user, ensuring quick and responsive results.

04

Gives a summary of the accurate data and the real truth instead of just evaluating the existing data and rating it on its truth-fullness. this will be less time consuming and much more helpful for the everyday user

CONCLUSION

The Semantic Analysis and Fake News Detection project represents a valuable tool in combating misinformation, promoting information literacy, and fostering a more informed and discerning society. By harnessing the power of semantic analysis and leveraging cutting-edge NLP techniques, the project contributes to the ongoing efforts to uphold truth and accuracy in the digital age.

Thank you