TEXT SUMMARIZATION USING NLP

Your project aims to create a text summarization system employing natural language processing and machine learning algorithms. By condensing extensive textual data into succinct summaries, the system enhances accessibility and comprehension for users grappling with information overload. Utilizing techniques like extractive and abstractive summarization, the system selects key content from documents, facilitating quicker information retrieval and decision-making processes.

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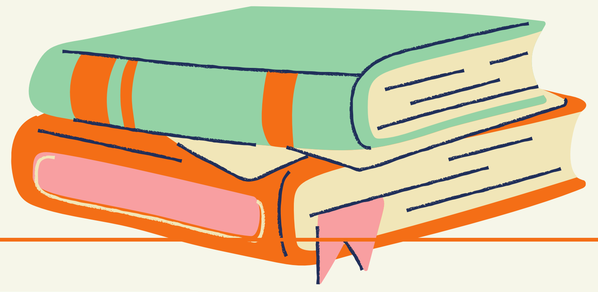


INTRODUCTION

The project aims to develop a text summarization system employing NLP and ML techniques to condense extensive textual data into concise summaries, aiding comprehension amid information overload. It leverages extractive and abstractive methods, facilitating efficient information retrieval.

OBJECTIVE

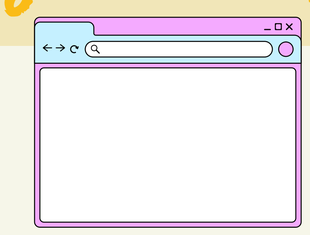
Develop a text summarization system using NLP and ML to condense text, aiding comprehension amid information overload.

METHODOLOGY

Utilize NLP and ML algorithms to extract key content from text, employing techniques like extractive and abstractive summarization for efficient information condensation and comprehension enhancement.

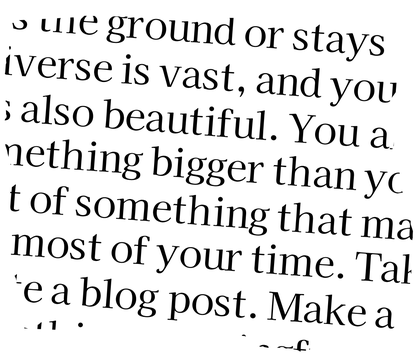
RESULTS

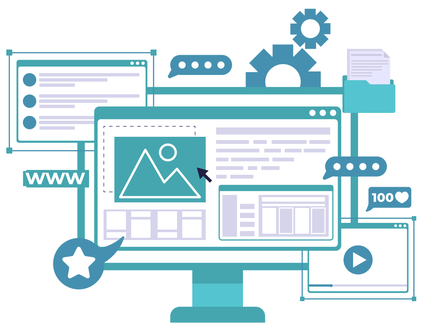
The developed text summarization system successfully condensed extensive textual data into concise summaries, enhancing accessibility and comprehension. Evaluation against various metrics demonstrated its effectiveness in aiding users in dealing with information overload.

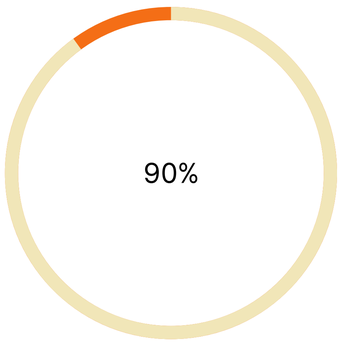


ANALYSIS

The analysis revealed that the text summarization system effectively condensed large volumes of text into concise summaries, facilitating easier comprehension. Evaluation against various metrics demonstrated its efficacy in aiding users grappling with information overload. The system's versatility and performance highlight its potential for diverse applications in text processing and information retrieval tasks.







CONCLUSION

In conclusion, the developed text summarization system, utilizing NLP and ML techniques, proved effective in condensing extensive textual data into succinct summaries. Its performance in aiding comprehension amidst information overload underscores its potential for diverse applications, contributing significantly to text processing and information retrieval endeavors.

Related literature

1. RAllahyari et al. (2017). Text mining techniques.
2. Luhn (1958). Automatic abstract creation.