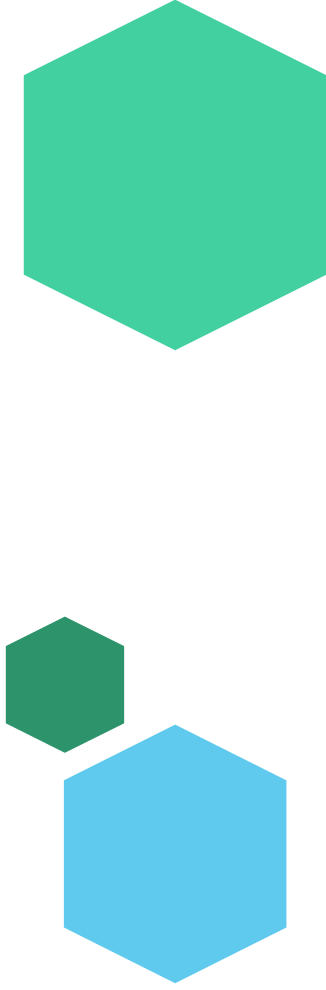


S NIVETHA

Final Project



TEXT SUMMARIZATION USING DEEP LEARNING



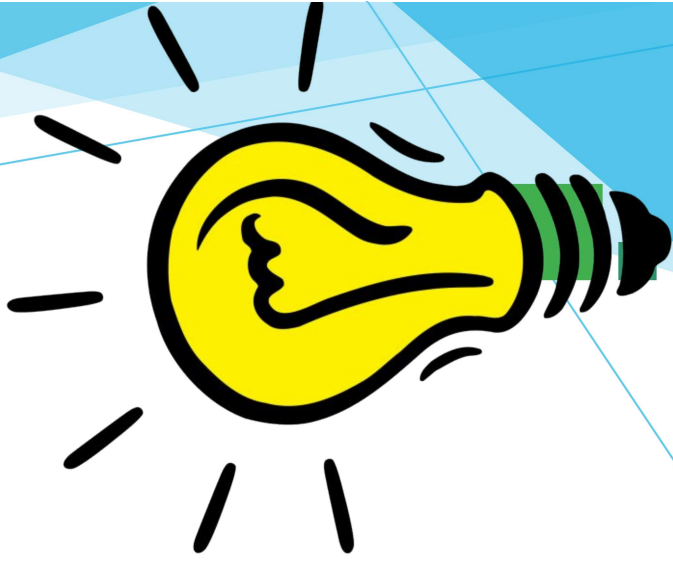
AGENDA

1. Develop an AI-powered solution to automate the summarization of lengthy texts.
2. Utilize deep learning techniques to enhance the accuracy and efficiency of text summarization.
3. Create a tool that can generate concise summaries while preserving the essential information.



PROBLEM STATEMENT

1. Manual text summarization is time-consuming and prone to errors.
2. Existing automated summarization tools often struggle to capture the nuances of the text.
3. There's a need for a more reliable and efficient method to summarize large volumes of text.



PROJECT OVERVIEW



1. Implement state-of-the-art deep learning models such as LSTM or Transformer for text summarization.
2. Develop algorithms to identify key sentences and phrases within the text.
3. Train the model on a large corpus of text data to improve its summarization capabilities.



WHO ARE THE END USERS?



1. Researchers and academics who need to quickly extract information from research papers.
2. Journalists and editors looking to summarize news articles and reports.
3. Professionals in industries like finance and legal who deal with large volumes of textual data.




YOUR SOLUTION AND ITS VALUE

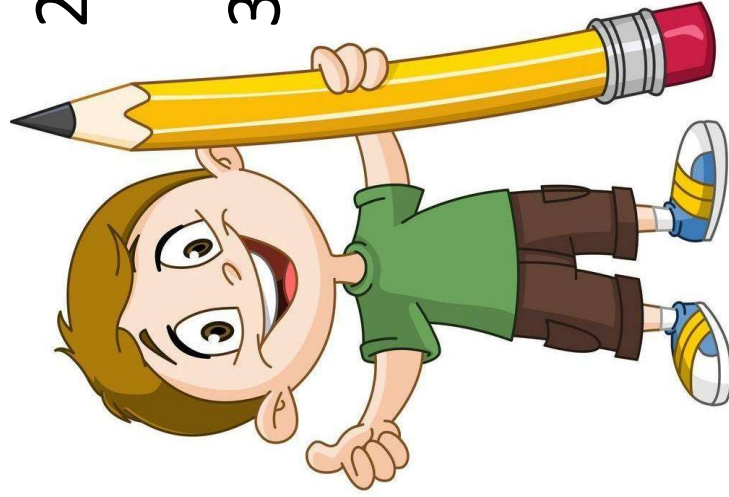
PROPOSITION



1. An AI-powered text summarization tool that can automatically generate concise summaries.
2. Saves time and effort by eliminating the need for manual summarization.
3. Improves productivity by quickly extracting key information from lengthy texts.

THE WOW IN YOUR SOLUTION


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1. The solution can accurately capture the essence of the text while maintaining coherence.
 2. Advanced natural language processing techniques ensure high-quality summaries.
 3. User-friendly interface with options for customization and fine-tuning.



MODELLING

1. Utilize deep learning frameworks like TensorFlow or PyTorch for model development.
2. Design wireframes for a web-based or standalone application.
3. Include features such as adjustable summary length and highlighting of key phrases.

RESULTS

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1. The model produces concise and coherent summaries of various texts.
 2. Users experience significant time savings compared to manual summarization methods.
 3. Positive feedback from users regarding the accuracy and usefulness of the tool.

