OUR VISION

- Every day, we use Google and other search engines numerous times. They have become an indispensable part of our life. But sometimes, during the search, the search result we are looking for is hidden below many others. Our vision is to use LLMs to find the results we are looking for right at the top. We plan to do so by using the LLM to analyze the webpage and generate a user-friendly summary of what the webpage is about. It will also check if the content of the webpage is relevant to the user search query and display the most relevant results at the top.

Github repositry

OUR APPROACH

We take user search query and generate relevant URLs. For this we used Serp API.

Then we use the Mistral 8x7b LLM to analyze the webpages and get the summaries of the received search results.

The search results along with summaries are displayed to the user.

BENEFIT TO THE SOCIETY

Our project is capable of helping the society get better results, faster.

It will majorly be helpful for students in their academics, they will be able to get their questions answered quickly and properly. They will be able to know which website is helpful for their question by just reading the summary we generated, they do not have to waste time in reading large webpages.

FUTURE IDEAS

- We can significantly improve the accuracy of the Language Model (LLM) by fine-tuning it to generate a more nuanced summary of the webpage, leveraging its HTML structure.

- Despite the impressive capabilities of Mistral 8x7b, with its extensive number of parameters, we encountered challenges in loading the LLM due to resource limitations. However, exploring ways to optimize resource allocation could potentially unlock the full potential of Mistral 8x7b for our specific task.