Introduction

About ME -

- Web Developer
- ML and Data Science Enthusiast
- In Final year of Engineering(Computer Science)

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Exploring LLMs

- Llama 2, an open-source language model, outperforms other major open-source models like Falcon or MBT, making it one of the most powerful in the market today.

- Compared to ChatGPT and Bard, Llama 2 shows promise in coding skills, performing well in functional tasks but struggling with more complex ones like creating a Tetris game.
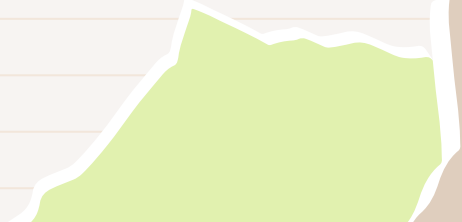
Research and analysis?

Research Papers and journals are a source to a new applied knowledge , but includes difficult terms , which makes them resistant to read to learners.

Analysis of these research papers becomes difficult as complex terms need to understand first, and Developer may loose interest with these Roadblocks

Purpose

Create a Easy way to get extract of the research paper and explain in a simple way

- Includes Real life examples
- Explain the difficult concepts clearly
- 3-4 min read of Blog can increase the interest

Features

Models

Selection Between
Different Models,
To compare different
LLMS

Title

Generate the Title
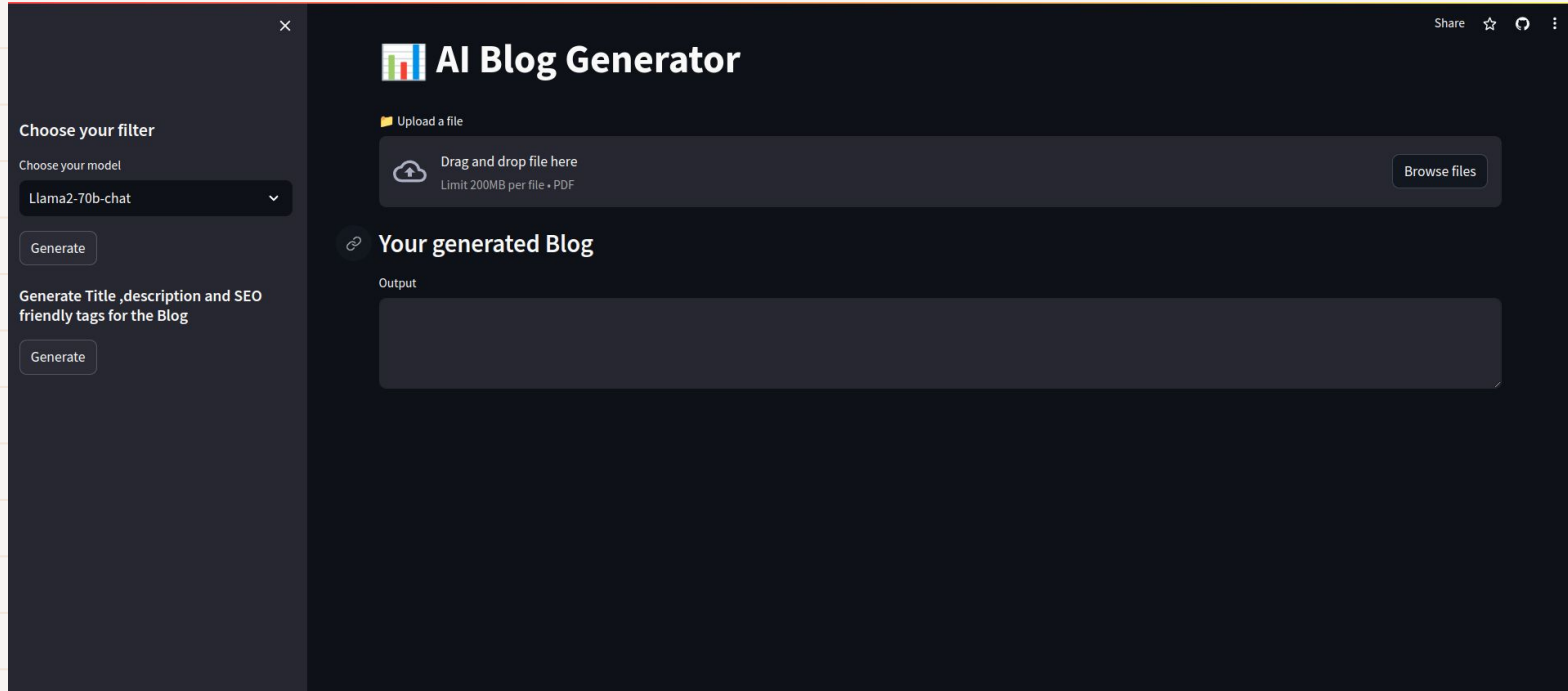for the Blog and
Description

Implementation

- Take Input as PDF File
- Extract text Data in form of chunks
- Select the Required Model to generate output
- Provide chunks to the selected LLM
- Points generated from the chunks describe the complete research paper
- These complete chunk is again provided with alread defined Prompt to the LLM to generate Interactive Blog
- The same Data is taken to generate Title with a different Prompt

Implementation

- This Calling to the LLM is supported through API Call from clarifai-grpc

- Clarifai-grpc is the client side API controller to provide easy and efficient calling to the model

Implementation

Tech Stack

- Clarifai-grpc API Client

- Streamlit

- Python

- Llama2

You can access the Project - here
Github

THANK YOU!