

# **Project Documentation**

## **Understanding the requirement of the Kids Screenplay project**

- Client wanted a Web App. The user can input genre, character information, VFX, etc details to generate the screenplay having information of each character, screens and shots.

## **Built a Streamlit App for the frontend**

- Created the interface between user (frontend) and LLMs (Backend). Made a Streamlit frontend having all the user inputs fields.

## **Built LLMs Backend Pipeline**

- Built LLMs Backend Pipeline and integrated it with the Streamlit frontend.
- Used the ChatGPT API and Anthropic API to generate images and screenplay respectively.

## **Generated a Document and Cover image**

- Generated the document having the screenplay details and Built LLMs Backend Pipeline and integrated it with the Streamlit frontend.
- Used the ChatGPT API and Anthropic API to generate images and screenplay respectively.

## **Testing and Evaluation**

- Tested and evaluated the final LLM integrated pipeline.

## **Outcomes:**

1. Successfully integrated the Streamlit frontend and LLMs Backend.
2. The pipeline runs without crashing.
3. Performing updates on the pipeline to incorporate the clients' requirements.

## **Takeaways/Lessons Learned:**

- Learnt integrating Streamlit with LLMs
- Learnt how to use LLMs to perform end to end pipeline using prompt engineering

## **Risk to project:**

Performing prompt engineering was not generating perfect output. After using JSON LLM started generating the correct output.

Strategy: Performing prompt engineering to make LLM understand what is expected from it using JSON formatting.