AudioSonic

An AI application that generates stunning imagery from audio input has the potential to revolutionize the way we perceive and interact with art. Here's how it works.

Input and Output

Input

The AI takes in an audio file of any length and complexity, including music and human speech
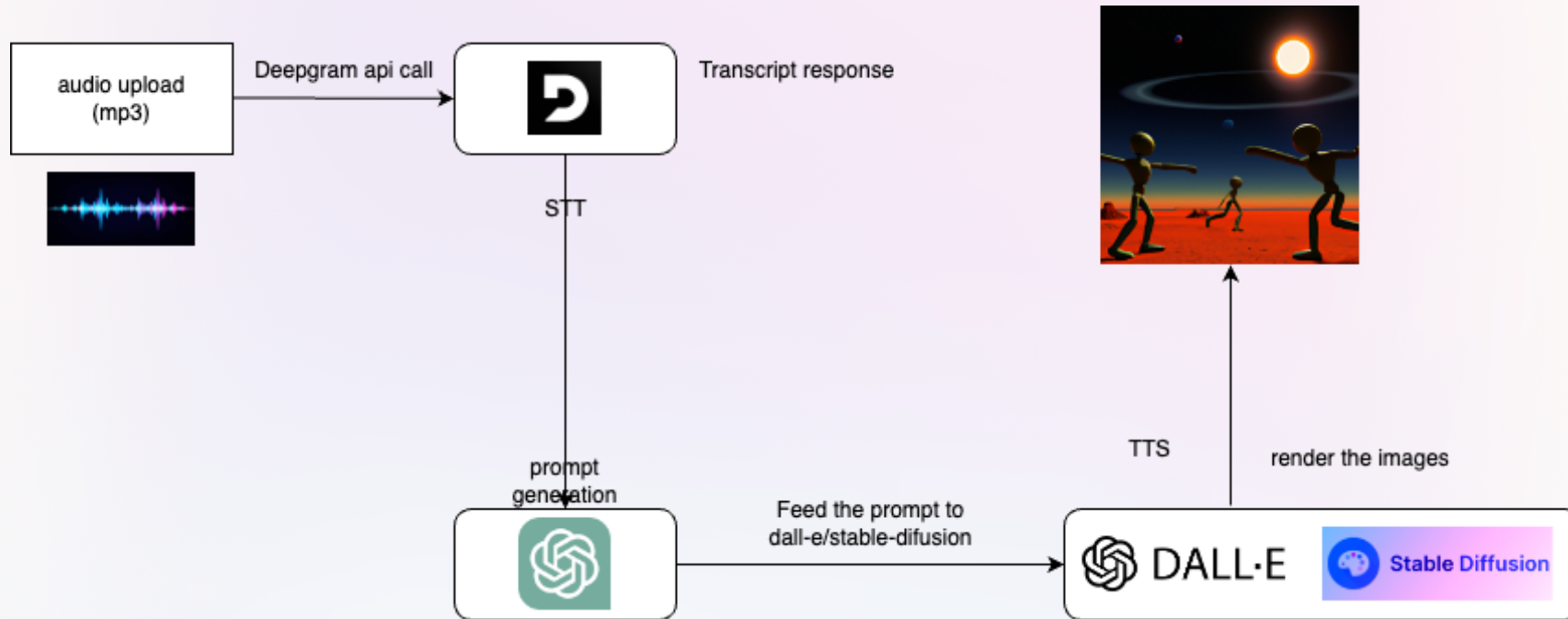
Output

Audio Input is transcribed and then prompts are generated to be used for generative AI image generation

Quality

The generated images are not exact replicas of the audio file, but they contain recognizable patterns and colors that correspond to the audio input.

Process Flow Diagram

How the App Works

1 Data preprocessing

Audio files are preprocessed to convert them into digital spectrums, which can be more easily analyzed by the AI model.

2 Training the model

The AI model is trained on vast amounts of audio data to recognize patterns in the audio input and create corresponding images.

3 Image creation

After the training process, the model generates images through a complex but efficient process involving neural networks and image processing algorithms.

Potential Applications

1 **Visual Music**

Creating visual representations of music that can be experienced on a whole new level.

2 **Marketing & Advertising**

The app can be used by companies to create stunning visuals for their branding and promotion activities.

3 **Art & Design**

The app can be used by artists and designers to create unique and innovative artwork and designs, blurring the lines between traditional artistic mediums.

4 **Therapeutic Art**

The app can be used to create visual representations of mental states or emotions, which can then be used for therapeutic purposes.

Replicating the App

1 ### Clone the app from github

Use git clone **https://github.com/BuildYourAI-RS/frontend-app.git** for cloning into local

2 ### Install Dependencies on Local

install dependencies using npm:

```
npm install
```

3 ### Prepare a .env file for string API keys

Insert this:

Deepgram_API_Key = "Your Deepgram API key"

NEXT_PUBLIC_OPENAI_API_KEY = "Your OpenAI API key"

NEXT_PUBLIC_STABILITY_API_KEY = "Your DreamStudio API key"

Then, run the development server:

npm run dev

Conclusion and Q&A

Q&A

Answering questions and addressing concerns and ideas from the audience regarding the AI app and its applications, code, and development.