

The Monday.com AI APP Hackathon

Date: 21 and 22 June 2023

"AI VidGenerator"

By AI Data Dreamers team





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AI Application

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Team Members



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Introduction:

"AI-VideoGenerator" is an application to Revolutionize video content creation through the power of artificial intelligence and say goodbye to tedious manual video creation and hello to effortless content generation. It Unlocks the potential of text-based prompts to generate captivating and engaging videos. It is an animated visual showcasing the process of transforming text into video content. A user inputting text prompts and AI Data Dreamers-AI-VideoGenerator generates video according to that content.



Stable Diffusion

Stable Diffusion is a latent text-to-image diffusion model capable of generating photo-realistic images given any text input. Stable Diffusion is used to generate text to video but it can generate a short-sized video.

Stable Diffusion uses a deep generative model to synthesize images based on a given prompt. It was used to generate detailed images conditioned on text descriptions, though it can also be applied to other tasks such as inpainting, outpainting, and generating image-to-image translations guided by a text prompt, now it can also generate video based on the text prompt.



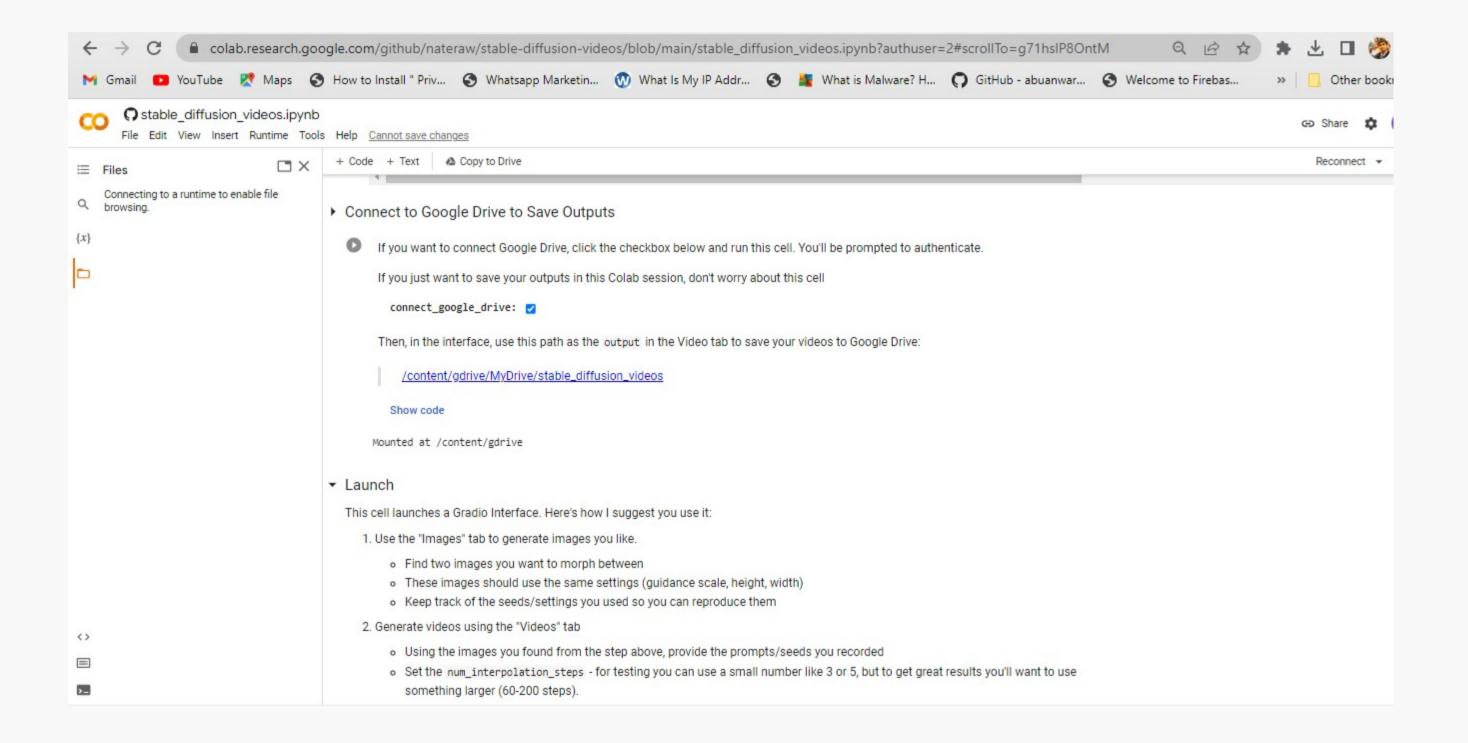
Use-Cases

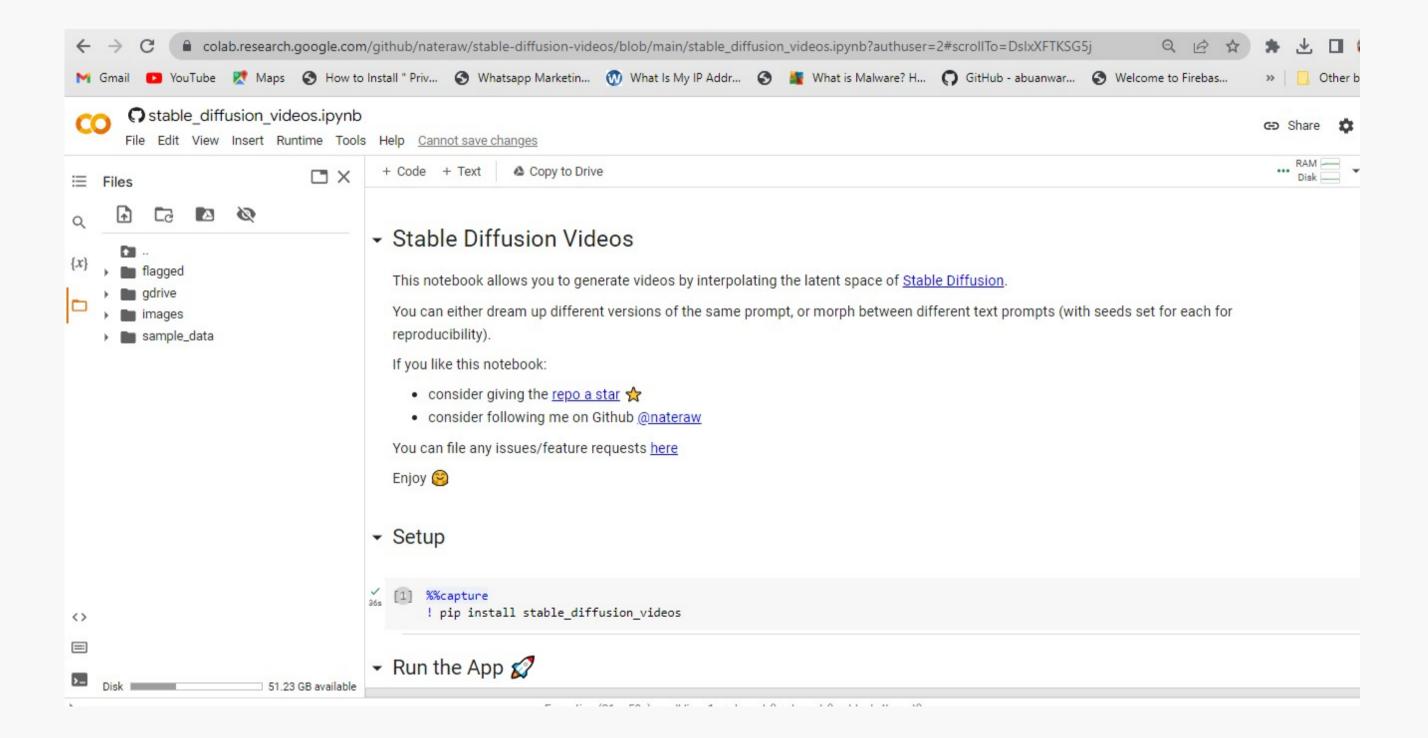
- AI replace all the video editors, any video can be created easlity through prompt.
- Understanding through Video is not only better but also provides creativity.
- Audiences that create a video not only express but also clearly understand better like Content creators and e-commerce businesses.
- It also saves their time searching the pictures, editing them, and creating a video/reel out of them.
- Businesses who want to create a reel of their products
- Social Media reels can be easily generated now without any video editors
- Creators who want to use certain audio from the sound cloud can also download it.

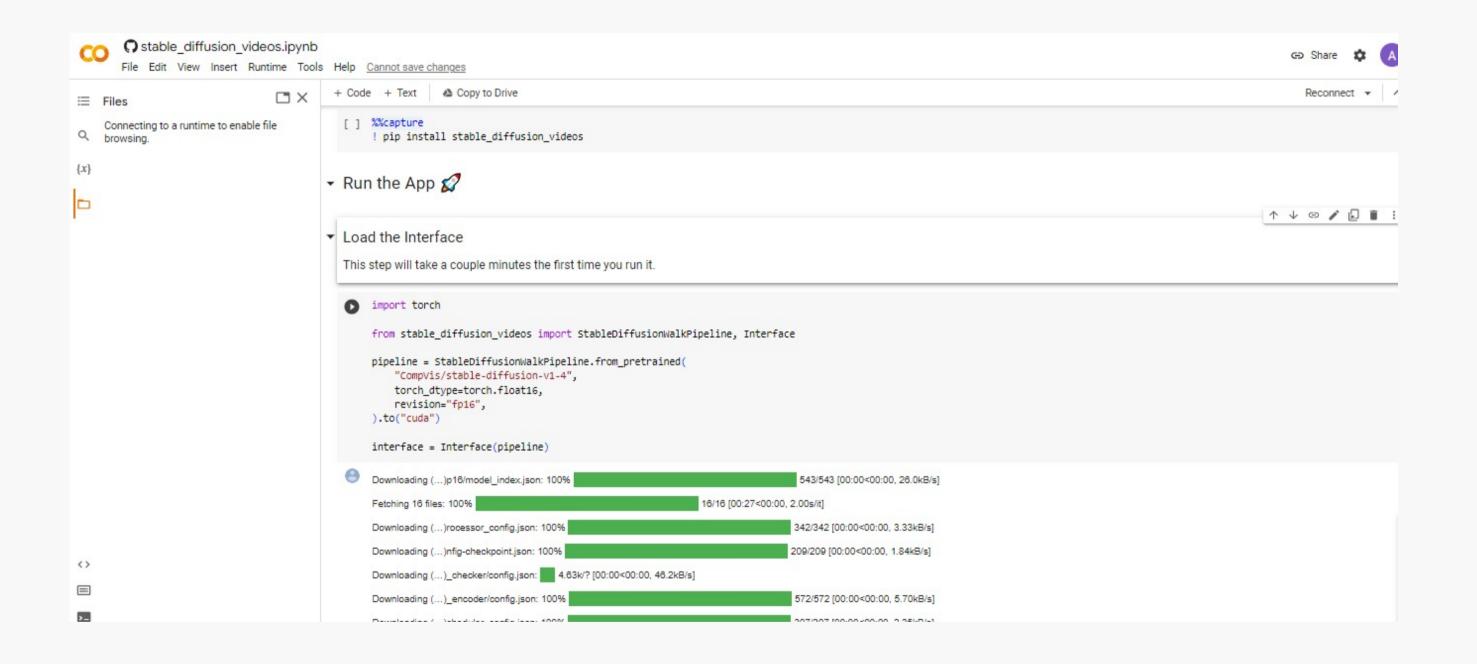


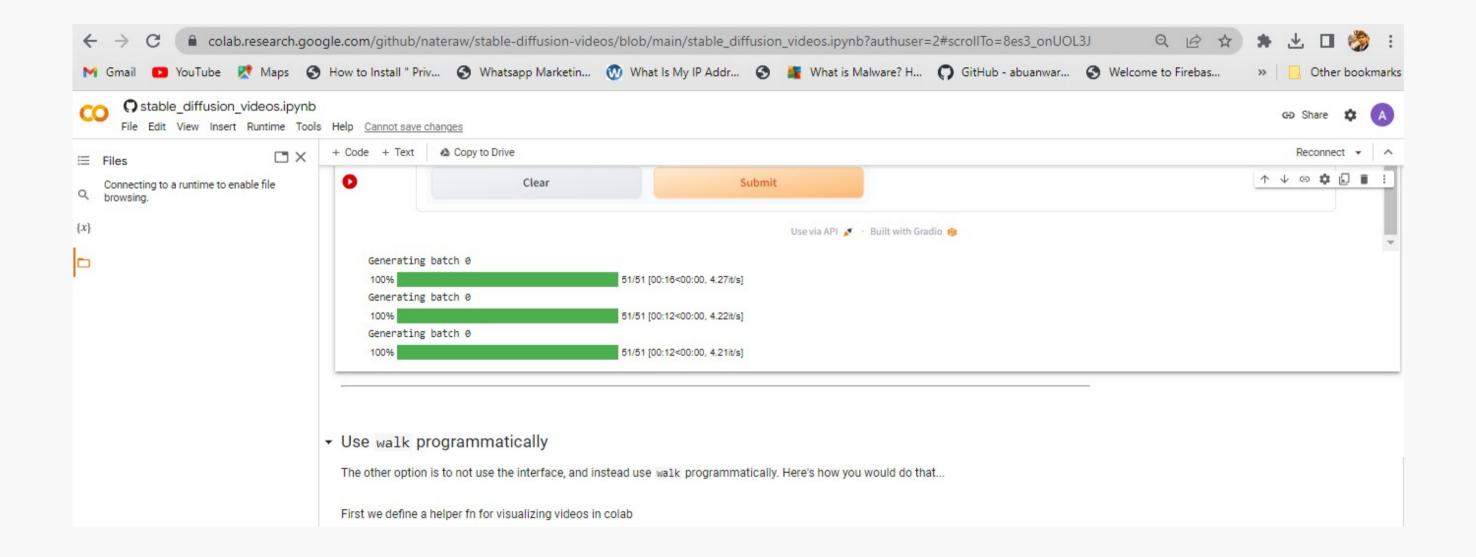
Tools and Framework used for Custom AI Application Code:

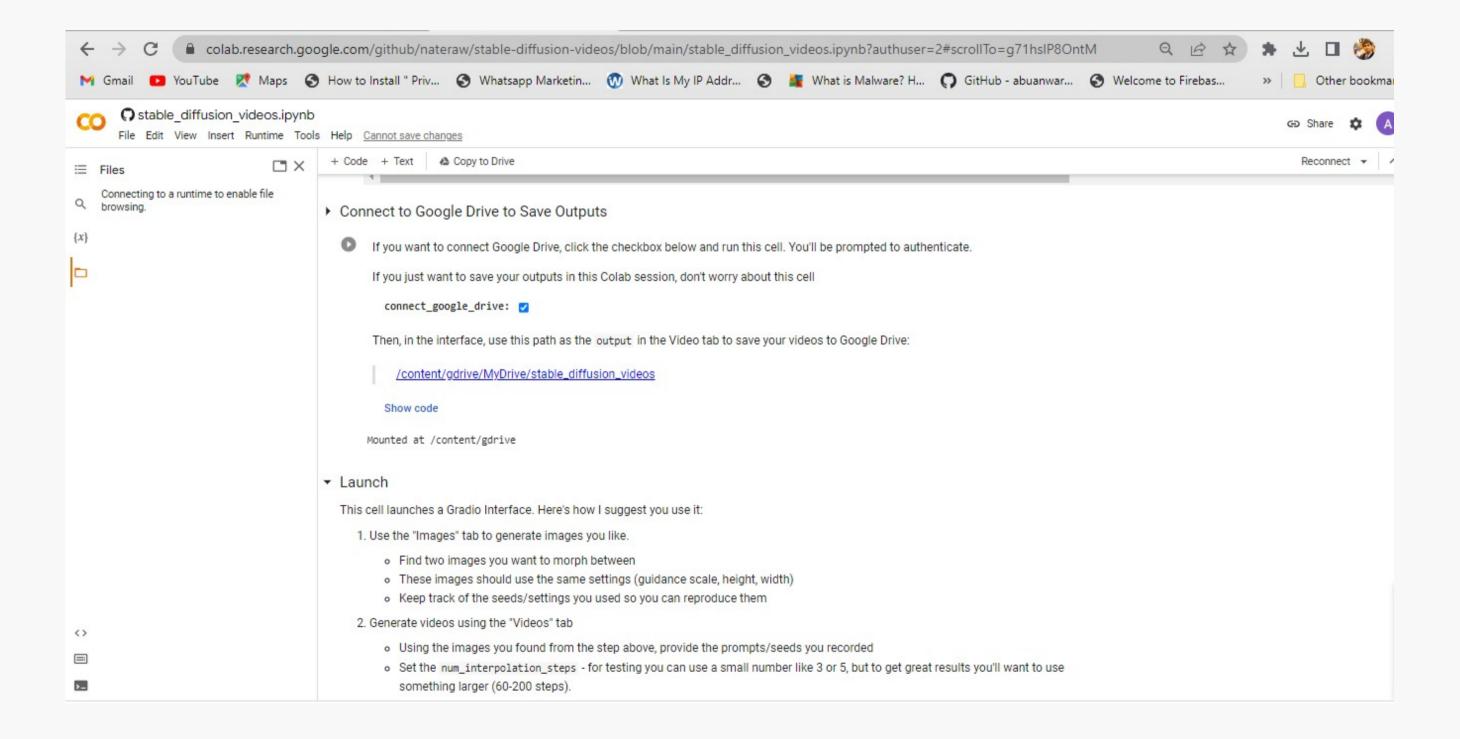
- Python using latent space of stable diffusion model
- Dependencies torch, IPython.display

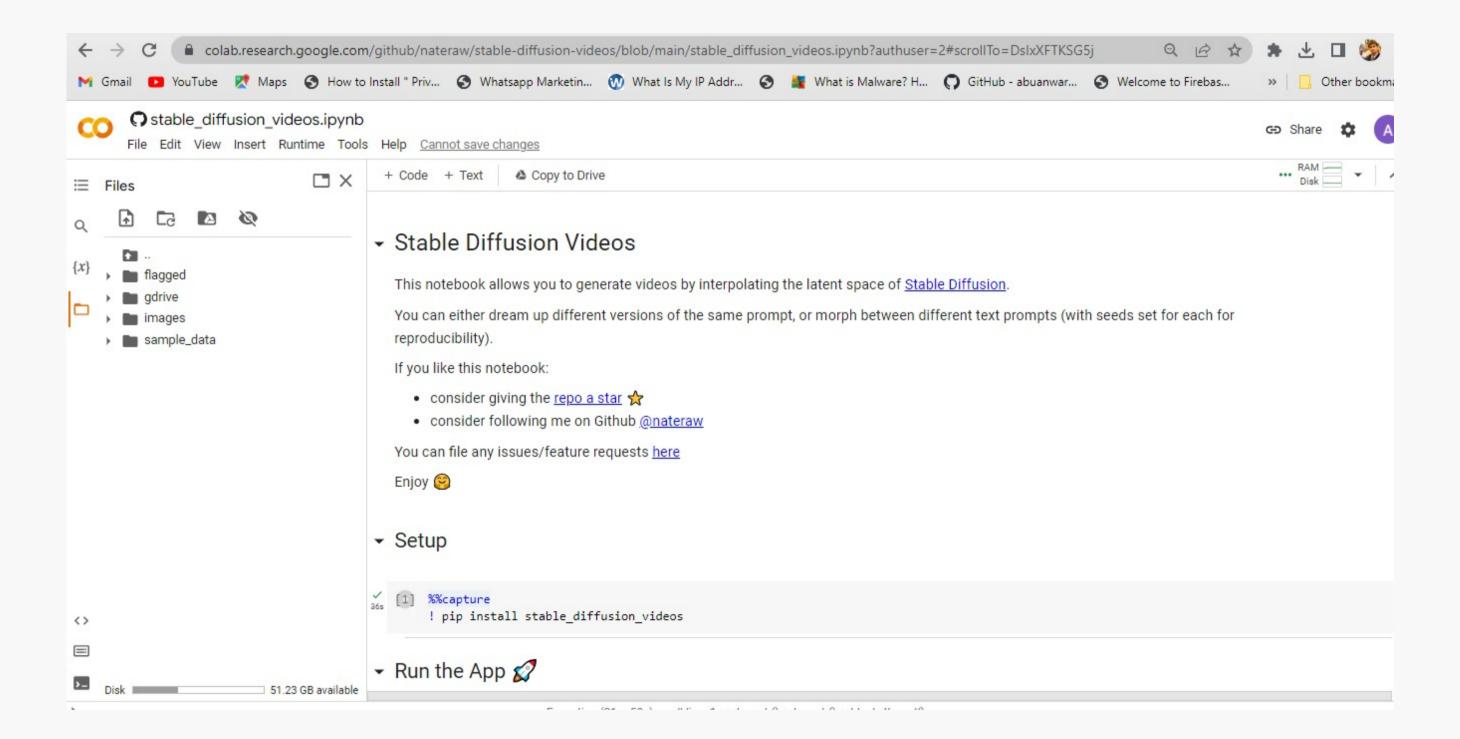


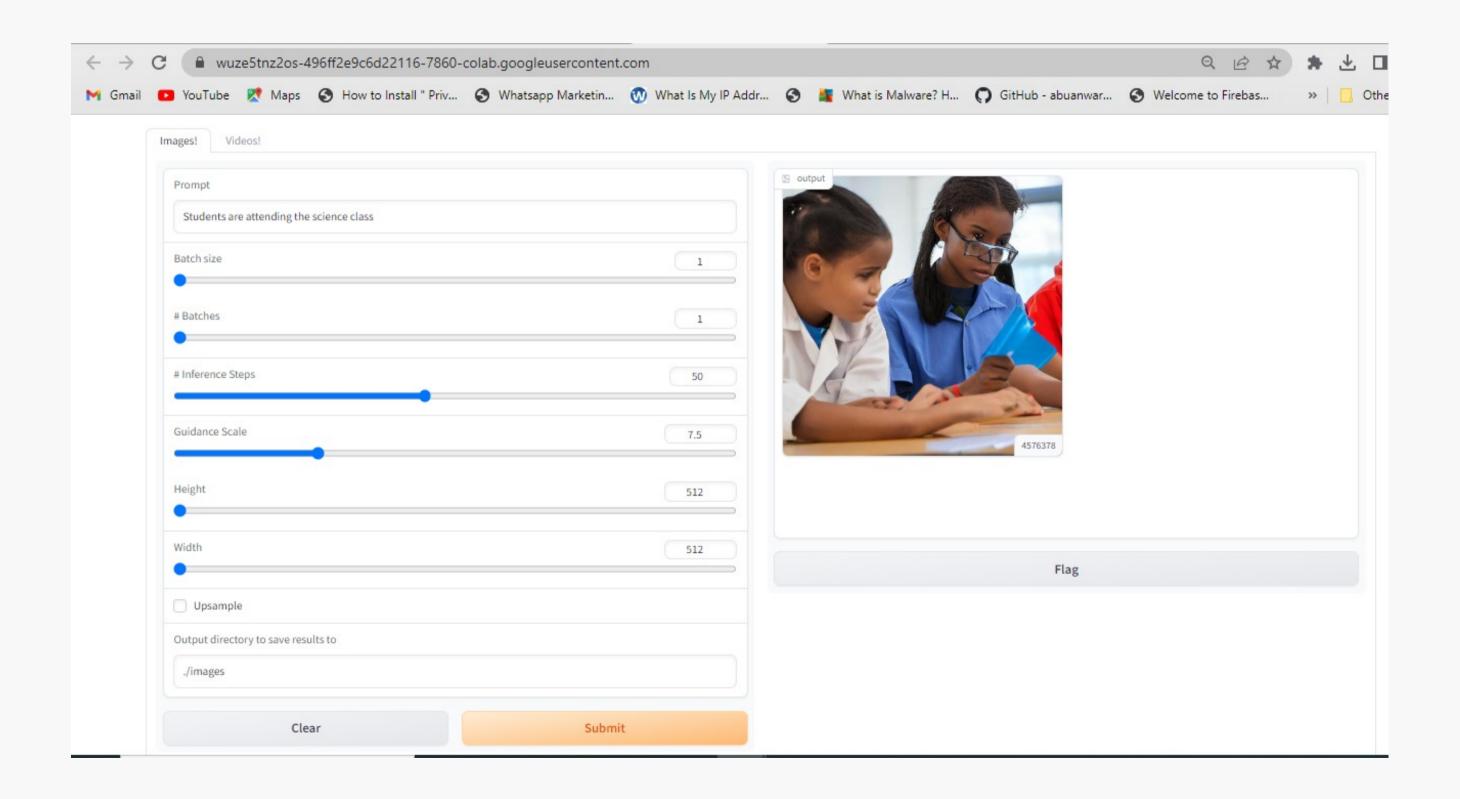














How to run this Code:

 Install code from below link https://github.com/marwashahid/diffusion_model



Conclusion:

- AI-VidGenerator has become a powerful for natural language processing, language understanding, visuallization, content creation and content generation.
- "AI-VidGenerator"app is a powerful tool that can be used to make language processing tasks easier and more efficient
- It has been used in many different use cases such as natural language generation, question answering, text summarization, and image captioning and Video Generation.