

How To Use

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This document helps you understand the usage of our code:

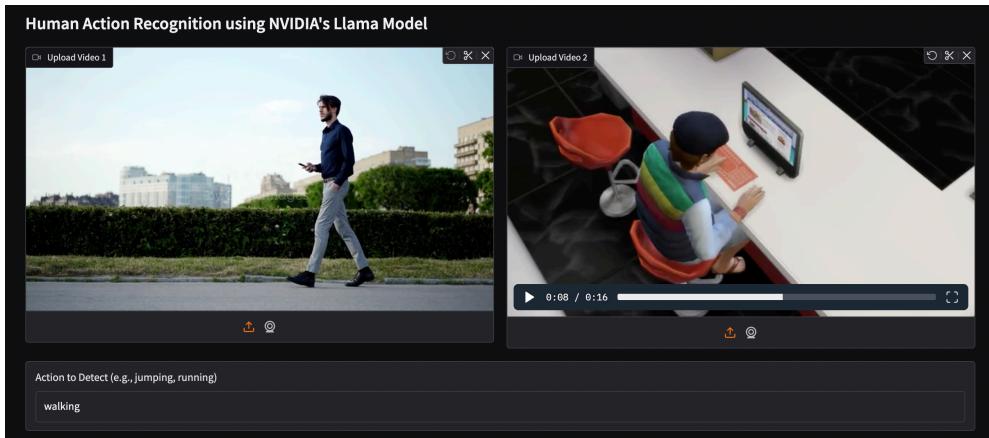
Firstly our code requires two video inputs: preferably a synthetic and a real one. Next, an action would be required to be detected in both videos. Both of these inputs, when given, the gradio interface then returns the rate of recognition of that action in those videos. Then a comparison summary is given based on the results. These recognition rates can help us understand whether that action is present in those videos or not.

To execute this code, given a MacBook's terminal, we must first navigate to the directory in which the code is present using the cd command. After that, we must run the gradio code using the command “python (code file name)”. In this case, “python gradio.py”.

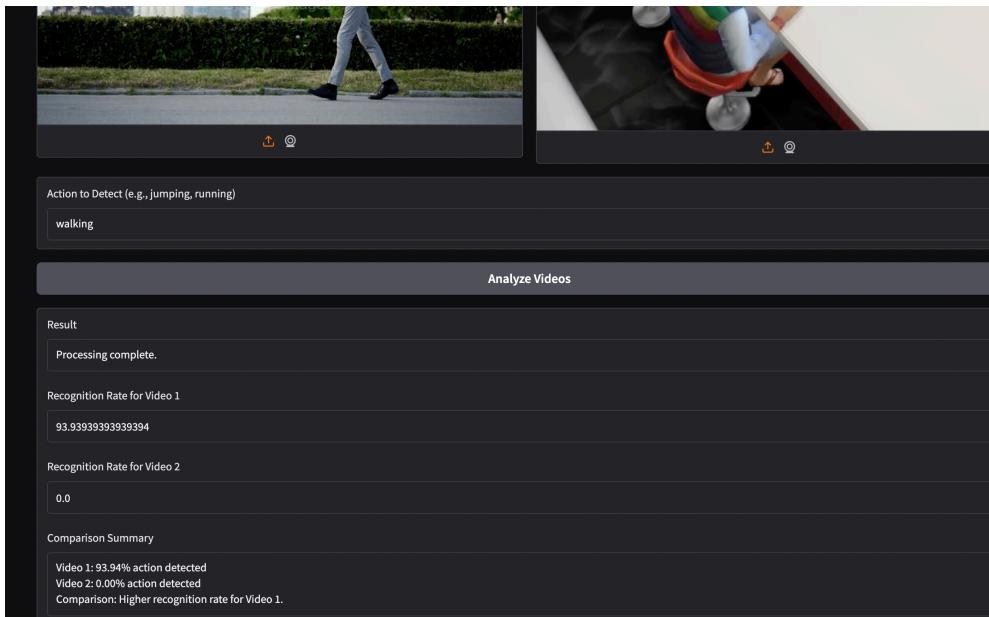
```
(base) sucheth@Sucheths-MacBook-Pro desktop % python gradio_video_app.py
* Running on local URL: http://127.0.0.1:7860
To create a public link, set `share=True` in `launch()`.
```

This command would give us a link which represents our gradio interface that is currently up and running. Copy and paste that link into a browser to access the interface.

With the interface opened, you can now upload your synthetic and real video. Note that there is also an option to trim these videos. Once you have uploaded the video, hover over it to see a scissors icon. This gives you the ability to trim the videos.



Next, input the action that is meant to be detected in the space provided. Click “Analyze Videos”. After a while, the interface would return the recognition rates and a comparison summary below.



In case of any errors, such as the expiration of the API key, the cause and code will be displayed in the terminal. Kindly take a look at that for further diagnosis.