# A Fun Virtual Cam Design Project Presentation

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#### A Fun Virtual Cam

- It is an application to enable a better user experience for video conferencing and video related applications.
- It changes the background of the video based on the detecting the sentiments from his / her speech.
- It can help change the monotonous nature of conventional video calls.

# Working Principle

- There are mainly 2 components for this application:
- Video processing
  - Capture video
  - Get sentiments from audio processing task
  - Change the background based on the sentiments
- Audio processing
  - Obtain audio
  - Convert to text
  - Get sentiments from the text
  - Give the sentiments to the video processing task

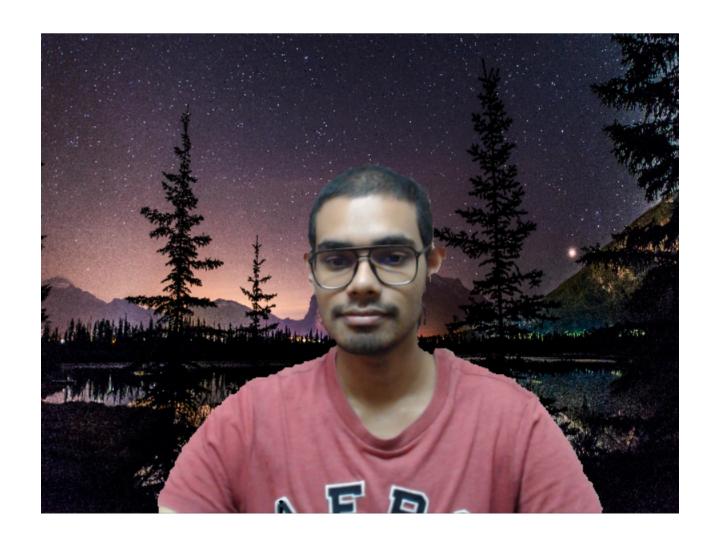
# PsuedoCode – Audio Processing Task

#### while True:

### PsuedoCode – Video Processing Task

cam = video\_capture(index) // index - Index of the web cam to be captured while True:





```
Command Prompt - X

(bgremoval) SJ$python sentiment.py
The movie was bad
Polarity of the text :-0.6999999999998
The party was excellent.
Polarity of the text :1.0

(bgremoval) SJ$
```



### THANK YOU