Hi, guys!!!

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To Run EyeVoc in terminal: ||
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STEP 1 :

 # make sure you already download Eviacam and install the EyeMouse and atleast once run enable viacam.exe with following settings:
i) you keep speed according to your comfort of head rotation in X, Y axes;

      speed ranging from 0 to 30--------- recommended 10

      acceleration ranging from 0 to 5--- recommended 2-3

      smoothness factor 0 to 8----------- recommended 3-5

      Motion threshold 0 to------------ recommended 10

ii) If you want to restrict the mouse to some workspace limit you can, but usually ignore this setting
iii) Enable Dwell click and it's time around 45-50 & select "beep on click" for good interaction
iv)you can ignore other settings.// above are mandatory
v) give administrative permissions whenever insisted or elses just disable it in settings so it won't ask again and again

STEP 2:   (YOU CAN SKIP THIS STEP, IF YOU ONLY WANT TO RUN THE APPLICATION(.exe file))
 # make sure that You have the latest python.exe interpreter and have following Libraries downloaded

 for Windows :

========= ONLINE version of EyeVoc
pyttsx3
$ pip install pyttsx3

pyautogui
$ pip install pyautogui

speech_recognition
$ pip install SpeechRecognition

wmi
$ pip install wmi

os
$ import os

re
$ pip install re

AppOpener
$ pip install AppOpener

Pythonping
$ pip install pythonping

=========== OFFLINE version of EyeVoc

pyttsx3
$ pip install pyttsx3

pyautogui
$ pip install pyautogui

VOSK
$ pip install vosk

wmi
$ pip install wmi

re
$ pip install re

os
$ import os

AppOpener
$ pip install AppOpener

STEP 3:
(CHANGE PATH ACCORDING TO YOUR SYSTEM)
● OFFLINE VERSION uses a vosk library folder, so to use it we need to provide it's complete path in Engine.py file(of offline version).{line no. 10}

So, update this path when you run the program in your system. Add the path to vosk-model-samll-en-in-0.4.
- Also, OpenApps.py file change the path of eviacam.exe file.{line no. 71}
  (Make this change in both versions).
    (You can get the path of eviacam by opening Enable_viacam folder, then open bin folder, then look for evicam.exe file.)

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To run the program in terminal: ||
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1. Online version :
      Open src_code_online folder in vscode.
      Open Main.py file and run it

2. Offline version :
      Open src_code_offline folder in vscode.
      Open Main.py file and run it

Link to all the voice commands :-
https://docs.google.com/document/d/19MFWQ_5MpEi7aJvZREQXF3sdn0hBGh0vE0YTHDRHvlw/edit
// whether online or offline/ run in terminal or run .exe-- the same strategies are applicable.

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To run EyeVoc Application: ||
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3. Online version :
      Open EyeVoc_online_Application folder.
      Scroll down, you will see a EyeVoc_online.exe file.
      Doubleclick to run it

4. Offline version :
      Open EyeVoc_offline_Application folder.
      Scroll down, you will see a EyeVoc_offline.exe file.
      Doubleclick to run it

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PROBLEMS YOU MIGHT FACE :
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- If while running the program, the mouseclicks(left click, right click) does not work, then after you open eviacam, go to settings -> clicks , then check the allow dwell click box. (you can see this is offline_demo video, while recording that we encountered same problem.)
- While running exe file you might not be able to open other apps, this happens because window os does not allow third party apps to acces or open your applications, so make sure to give this access.
- If while using the online mode, you experience long delays then might your internet speed is to very good or you are in a noisy background.
  So we suggest to -
      Run the application a quiet place
      Switch to offline mode(i.e. run offline application)

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In Linux/MAC_OS :

pyautogui
$ python3 -m pip install pyautogui

pyttsx3
$ python3 -m pip install pyttsx3

speech_recognition
$ python3 -m pip install SpeechRecognition

wmi
$ python3 -m pip install wmi

AppOpener
$ python3 -m pip install AppOpener

NOTE: Since we only worked on windows, while running this program in different os might face some importing packages issue.
If any of the packages aren't installing please follow the terminal suggestions and surf for a compatible version of the library for your current python interpreter version

After successful installation you can run it or give command in the terminal, same as stated in above lines.