import speech\_recognition as sr

import webbrowser

import pyttsx3

import musicLibrary

import requests

recognizer = sr.Recognizer()

engine = pyttsx3.init()

newsapi = "3930d4ab00644a369bf2dc20fdca4479"

def speak(text):

engine.say(text)

engine.runAndWait()

def processCommand(c):

if "open google" in c.lower():

webbrowser.open("https://google.com")

elif "open facebook" in c.lower():

webbrowser.open("https://facebook.com")

elif "open youtube" in c.lower():

webbrowser.open("https://youtube.com")

elif "open linkedin" in c.lower():

webbrowser.open("https://linkedin.com")

elif c.lower().startswith("play"):

song = c.lower().split(" ")[1]

link = musicLibrary.music[song]

webbrowser.open(link)

elif "news" in c.lower():

r = requests.get(f"https://newsapi.org/v2/top-headlines?country=in&apiKey={newsapi}")

if r.status\_code == 200:

# Parse the JSON response

data = r.json()

# Extract the articles

articles = data.get('articles', [])

# Print the headlines

for article in articles:

speak(article['title'])

# else:

# # Let OpenAI handle the request

# output = aiProcess(c)

# speak(output)

if \_\_name\_\_ == "\_\_main\_\_":

speak("Initializing Jarvis....")

while True:

# Listen for the wake word "Jarvis"

# obtain audio from the microphone

r = sr.Recognizer()

print("recognizing...")

try:

with sr.Microphone() as source:

print("Listening...")

audio = r.listen(source, timeout=2, phrase\_time\_limit=1)

word = r.recognize\_google(audio)

if(word.lower() == "jarvis"):

speak("Ya")

# Listen for command

with sr.Microphone() as source:

print("Jarvis Active...")

audio = r.listen(source)

command = r.recognize\_google(audio)

processCommand(command)

except Exception as e:

print("Error; {0}".format(e))

music = {

"stealth": "https://www.youtube.com/watch?v=U47Tr9BB\_wE",

"march": "https://www.youtube.com/watch?v=Xqeq4b5u\_Xw",

"skyfall": "https://www.youtube.com/watch?v=DeumyOzKqgI&pp=ygUHc2t5ZmFsbA%3D%3D",

"w": "https://www.youtube.com/watch?v=ThCH0U6aJpU&list=PLnrGi\_-oOR6wm0Vi-1OsiLiV5ePSPs9oF&index=21"

}

