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# maya_ultimate.py

import os
import datetime
import webbrowser
import speech_recognition as sr
import pytsx3
import pyautogui
import keyboard
import psutil
import requests
import subprocess
import json
import threading
import time
import cv2
from deepface import DeepFace
from googletrans import Translator
import openai

# === CONFIGURATION ===
openai.api_key = "your_openai_api_key_here" # Replace with your key
GITHUB_UPDATE_URL = "https://raw.githubusercontent.com/your_user/your_repo/main/maya_ultimate.py"

# === INIT ===
recognizer = sr.Recognizer()
engine = pytsx3.init()
translator = Translator()
language = 'hi'

def speak(text):
    translated = translator.translate(text, dest=language).text
    engine.say(translated)
    engine.runAndWait()

def greet_user():
    hour = datetime.datetime.now().hour
    greeting = " ହୋ ମାୟା ! MAYA ହୋଇଲୁ କିମ୍ବା , କିମ୍ବା "
    speak(greeting)

def listen():
    with sr.Microphone() as source:
        recognizer.adjust_for_ambient_noise(source)
        audio = recognizer.listen(source)
    try:
        query = recognizer.recognize_google(audio, language="hi-IN")
        return query.lower()
    except Exception:
        return ""

def open_website(site):
    webbrowser.open(site)
    speak(" ଓହୁ କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା ")

def control_apps(command):
    if "notepad" in command:
        subprocess.Popen("notepad.exe")
    elif "chrome" in command:
        subprocess.Popen("C:\\Program Files\\Google\\Chrome\\Application\\chrome.exe")
    else:
        speak(" କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା ")

def write_text(text):
    pyautogui.write(text)
    pyautogui.press('enter')

def update_from_github():
    try:
        r = requests.get(GITHUB_UPDATE_URL)
        if r.status_code == 200:
            with open(__file__, 'w', encoding='utf-8') as f:
                f.write(r.text)
            speak(" କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା ")
        else:
            speak(" କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା ")
    except:
        speak(" କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା ")

def detect_face_emotion():
    cap = cv2.VideoCapture(0)
    ret, frame = cap.read()
    if ret:
        cv2.imwrite("face.jpg", frame)
        try:
            analysis = DeepFace.analyze(img_path="face.jpg", actions=['emotion'], enforce_detection=False)
            emotion = analysis[0]['dominant_emotion']
            speak(f" ତାଙ୍କ ମୁଖର ମୁଖ୍ୟ ଅନୁଭବ କିମ୍ବା {emotion} କିମ୍ବା କିମ୍ବା ")
        except:
            speak(" କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା ")
    cap.release()
    cv2.destroyAllWindows()

def chatgpt_response(prompt):
    try:
        response = openai.ChatCompletion.create(
            model="gpt-4",
            messages=[
                {"role": "system", "content": "You are MAYA, a helpful multilingual assistant."},
                {"role": "user", "content": prompt}
            ]
        )
        reply = response["choices"][0]["message"]["content"]
        speak(reply)
    except:
        speak(" କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା କିମ୍ବା ")

def background_tasks():
    while True:
        time.sleep(3600)
        update_from_github()

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greet_user()
threading.Thread(target=background_tasks, daemon=True).start()
while True:
    print("Listening...")
    query = listen()
    print(f"Command: {query}")

    if "Open , Open a new tab <url>" in query:
        open_website("https://www.google.com")
    elif "Open a new tab <url>" in query:
        pyautogui.hotkey("ctrl", "t")
    elif "Open file <file_path>" in query:
        detect_face_emotion()
    elif "Open a new window <url>" in query:
        speak("Opening a new window")
        text = listen()
        write_text(text)
    elif "Update from GitHub" in query:
        update_from_github()
    elif "Ask GPT <question>" in query:
        chatgpt_response(query)
    elif "Search <query>" in query:
        speak("Searching")
        query = listen()
        search(query)
    break
elif query != "":
    chatgpt_response(query)

if __name__ == "__main__":
    main()
```