import pyttsx3 as p

import speech\_recognition as sr

import openai

# Initialize text-to-speech engine

engine = p.init()

voices = engine.getProperty('voices')

engine.setProperty('voice', voices[0].id)

# Set up OpenAI API

openai.api\_key = "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"

# Function to interact with ChatGPT

def chat\_with\_model(prompt):

response = openai.Completion.create(

engine='text-davinci-003',

prompt=prompt,

max\_tokens=50

)

return response.choices[0].text.strip()

# Function to convert text to speech

def speak(text):

engine.say(text)

engine.runAndWait()

# Initialize speech recognition

r = sr.Recognizer()

# Main loop for speech interaction

while True:

print("I'm listening...")

with sr.Microphone() as source:

r.adjust\_for\_ambient\_noise(source)

audio = r.listen(source)

try:

instruction = r.recognize\_google(audio)

print("Instruction:", instruction)

if instruction.lower() == "exit":

break

response = chat\_with\_model("User: " + instruction)

print("ChatGPT:", response)

speak(response)

except sr.UnknownValueError:

print("Sorry, I didn't catch that. Can you please repeat?")

except sr.RequestError as e:

print("An error occurred. Please check your internet connection.")

# End of speech interaction

# Text-based interaction loop

user\_input = input("User: ")

while user\_input.lower() != 'exit':

response = chat\_with\_model("User: " + user\_input)

print("ChatGPT: " + response)

speak(response)

user\_input = input("User: ")

#Sonam api key : "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"