Coach Clippy

Presented By Edgar Sanchez & Kingston Nash
Project Team

Edgar Sanchez:
- Costa Mesa High School
- Rising Senior
- Interested In CS

Why ProperData: I was interested in understanding how AI models like ChatGPT work and learning how to build my own model that I could customize.

Kingston Nash:
- Samueli Academy
- Rising Senior
- Interested In CS & Engineering

Why ProperData: I wanted to learn how AI chat bots like ChatGPT work in the background and learn how to build my own.
About Our Voice Assistant

**Why Clippy:** We wanted to make a voice assistant copy of clippy, the iconic Microsoft virtual assistant from the MS office during 1997-2003. We realized that this would probably be a bit too generic and we decided to make it more specialized so that it’s tailored to give information on sports and fitness.

**Features:**

- **Personalized Training**
  - Can give training regiments and Advice Coaching
- **Sessions Sports Trivia and Quizzes**
  - Knowledgeable on everything sports related
- **Nutrition and Wellness Tips**
  - Gives dietary tips and other advice related to a healthy life
How We Built It

The reality of our voice assistant is a lot simpler than one might think. Our voice assistant is operated by a python script and inside our python script lies a while loop that constantly waits for audio to be inputted, checks if the wakeword is in the audio, and then transfers the prompt to chat GPT using an API.

```python
while True:
    audio_in = listen()
    user_prompt = speech_to_text(audio_in)
    print("Prompt: ", user_prompt)
    if verify_wakeword(user_prompt):
        response = chat(user_prompt)
        print("Response: ", response)
        audio_out = text_to_speech(response)
        play(audio_out)
```
Our Experience Throughout The Program

● What We’ve Learned:
  ○ Basic Python
  ○ How to Set up an use Raspberry Pi
  ○ How chatbots/voice assistants work and how to build our own.
  ○ College Admission readiness.

● Thoughts Going Forward:
  ○ We hope to continue learning about AI and believe that this program experience was a good step in fulfilling that goal. Building an AI model was an awesome experience and we’d like to continue pursuing projects like this.
Thank You