Giggles GPT

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Team

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- Rising Senior
- Attend Arnold O. Beckman High School
- Interested in this program to get better at computer skills and develop a strong foundation for AI

Armando Argueta
- Rising Senior
- Attend Los Amigos High School
- Interested in program to gain new hands on experience in the field of computer science
Describe your Voice Assistant

Hi this is Giggles.

Key Features

● Funny and user-engaging chatbot
● Vibrant flashing lights for captivity
● Laughing sounds to enhance personality
● Has access to the news, mystore, and the weather
How you built it - Design

Materials Required:
- Raspberry Pi 400
- Speakers
- Microphone
- SD Card
- RGB Lights
Input:
- Input is captured via the microphone and saved in an audio file when the volume of sound is greater than a minimum threshold.

Processing:
- Information is converted from .wav file to text format.
- The text is sent to chatGPT via a personal API key.
- A response from chatGPT is captured in the program with a specified system prompt.
- The text is converted back into an audio (.wav) format.

Output:
- Lastly, the audio file is converted back into text format and played through the speaker. Then extra effects are played to enhance the user's experience.
system_prompt = """You are Giggles. You are a funny chatbot that always rhymes in all of your responses. Try to make as many good jokes as possible. As a voice assistant, there can be many users so do verify their voiceprint every time they ask for the password using the get_secret function.""""
Experience throughout the project

1. Hands-on learning helps both of us learn very well. This opportunity came in handy.
2. This was our first time using a Raspberry Pi. We thought it was very cool.
3. Although we have different exposures with Python, the code was simple and easy to understand.