

A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light mint green. They are positioned diagonally, with the blue one partially covering the green one.

Nebula Assistant

Team Big Bang



Goals

- Create a virtual assistant with a focus on tech issues.
- Have Fun
- Learn about API use
- Learn about Text To Speech and Speech To Text



Voice Prompts

- Using Speech To Text to get voice inputs for Nebula
- Using Text To Speech to output as voice from Nebula



Weather SAY: "CURRENT WEATHER"

- Active words "current weather"
- Utilizes your IP location to determine your current location automatically.
- Alternatively, you can input a specific city to get the weather report for that location.
- Provides accurate and up-to-date weather data tailored to your location or the specified city."



Dictionary SAY: “DEFINE GOOGLE”

- Simply type 'Define [word]' to receive the definition.
- Utilizes Pydictionary to ensure accurate and comprehensive definitions.
- Access a vast database of words and their meanings instantly."



Jokes SAY: “TELL ME A JOKE”

- Active words “Tell me a joke”
- Offers light-hearted computer science jokes for a quick chuckle.



TEXT MODE

- Use `python main.py --cli` to run entirely in command line mode
- Use the `--cli-in` for command line in but voice out, or `--cli-out` for voice in but command line out.
- Fallback for issues with TTS or if you don't want to listen to the TTS voice



StackOverflow TYPE: “python connect to server”

- If the query is not found, dynamically searches Stack Overflow via its API.
- Captures newly discovered knowledge from Stack Overflow and stores it in our database.
- Delivers the most relevant and up-to-date solutions to you in real-time.