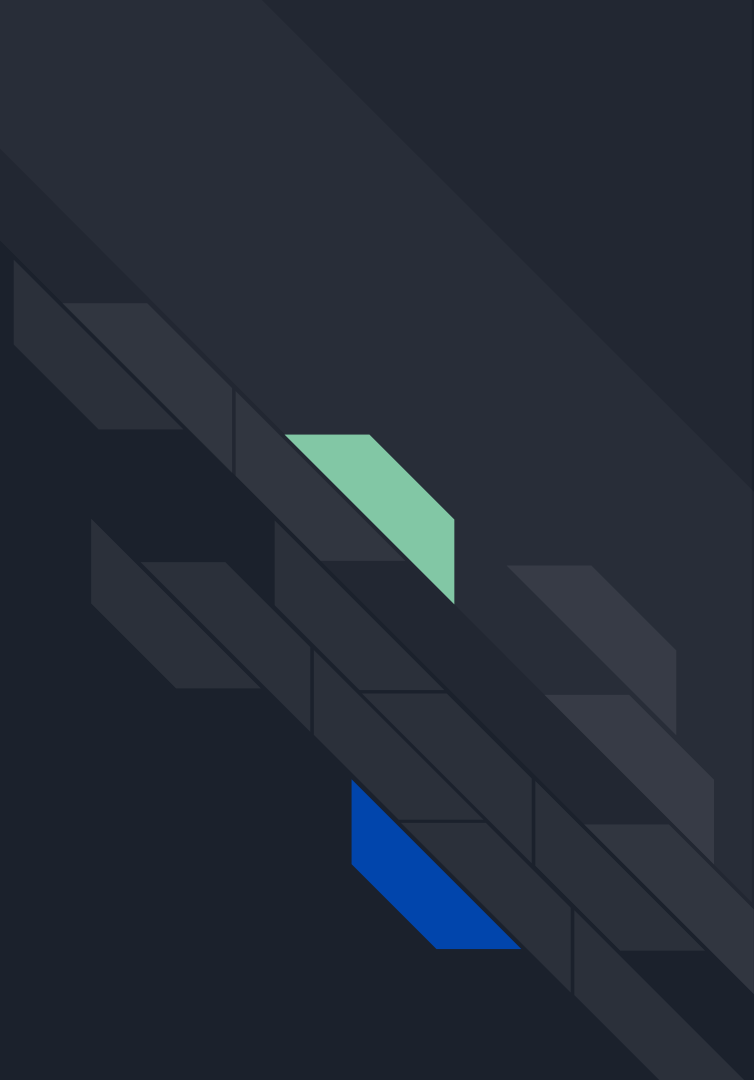


A decorative graphic on the left side of the slide consisting of two overlapping parallelograms. The front one is blue and the back one is a light green. They are positioned diagonally, with the blue one partially covering the green one.

TalkToAnyone

Dhruv Nambiar

Demo and Explanation





Future Plans

Integrate video calling with the Python translation program.

Improve translation speed and accuracy.

Expand language support.

Design a user-friendly interface.

Include Braille and sign language support for disabled people.

Use AI to convey emotion in translations.



Integration of Video and Translation Features

1. **Capture Audio:**

- Use the Agora client to extract user audio tracks during the video call.
- Convert the audio into a format suitable for Python processing.

2. **Set Up Communication Between JavaScript and Python:**

- Use a WebSocket server (Python):
 - Send captured audio from the JavaScript client to a WebSocket server implemented in Python.
 - Process the audio and return the translated audio/text back to the JavaScript client.

3. **Play Translated Audio:**

- Use JavaScript to play the audio file returned by the Python service.
- Dynamically update the user interface to show translated text alongside the video.

A decorative graphic on the left side of the slide. It consists of a blue parallelogram and a light green parallelogram, both tilted at an angle. The blue shape is in the foreground, and the green shape is partially behind it. They are set against a dark blue background with subtle diagonal lines.

Thank You!

Let's bridge the communication gap together with TalkToAnyone.