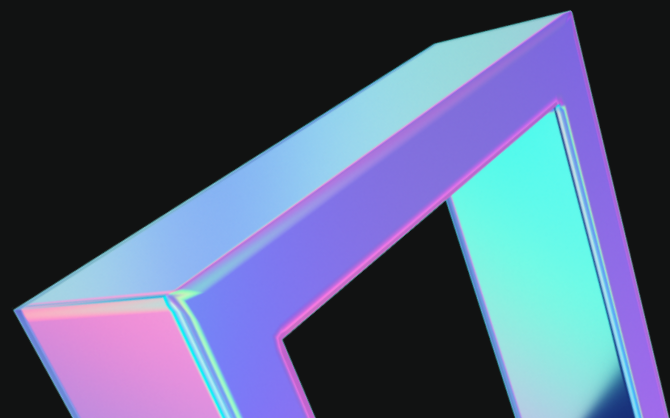
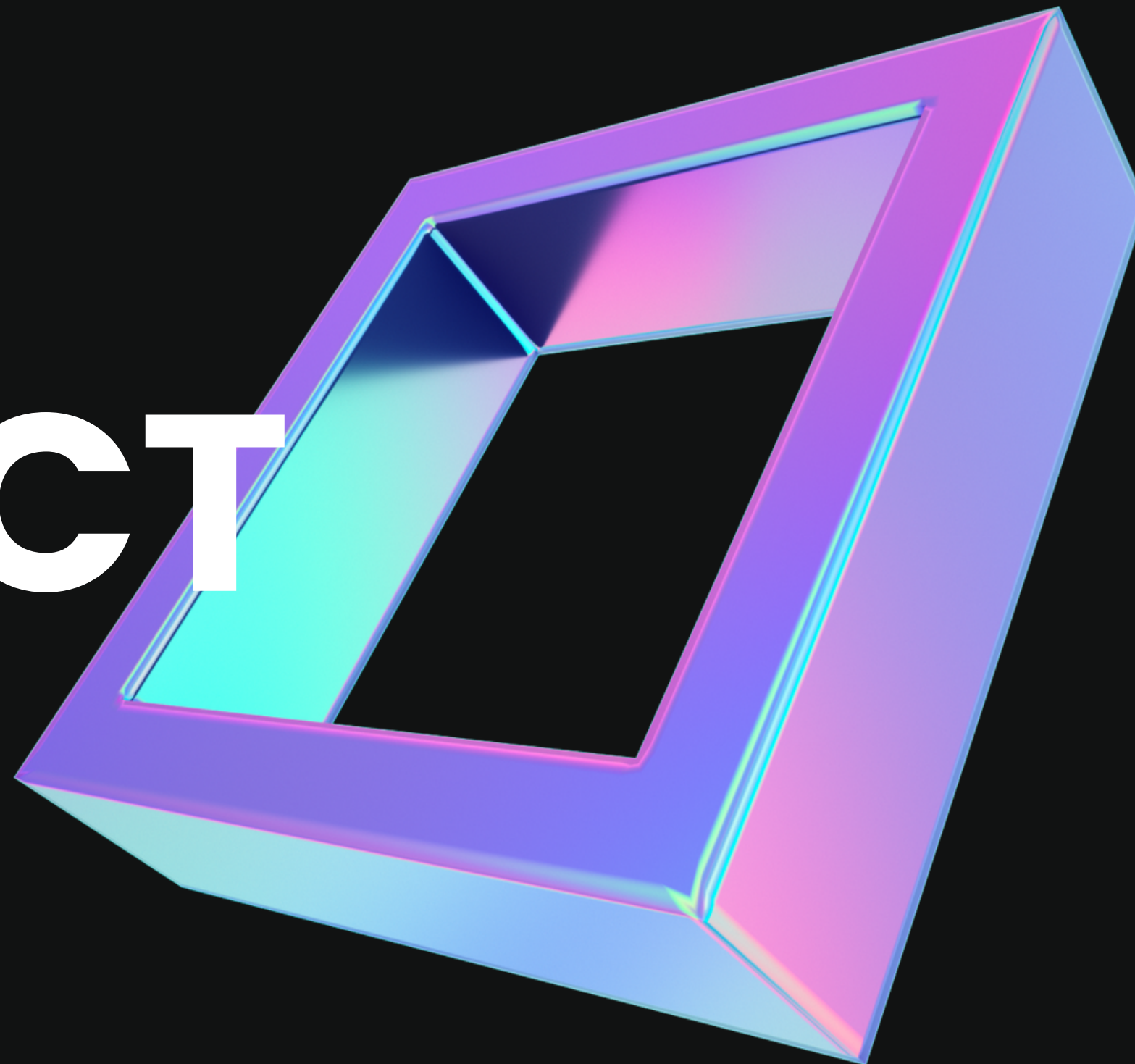
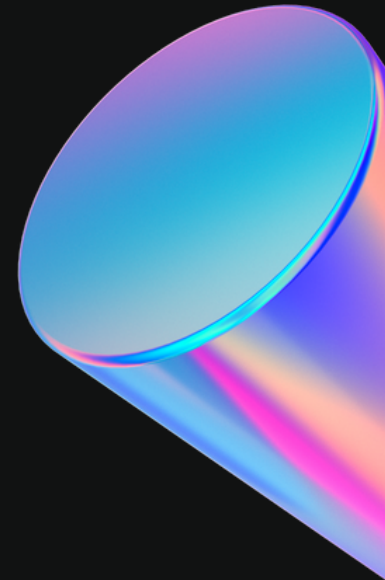
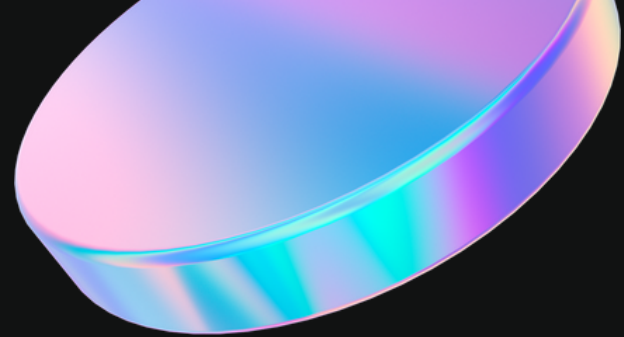


CLOUD CONNECT

Code Linguists

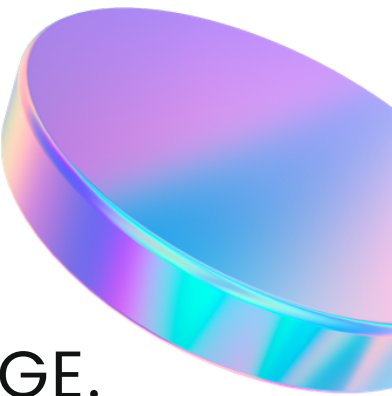




Cloud Connect

Code Linguists

A SERVICE THAT HELPS DISABLED PEOPLE TO
INTERACT BETTER, FASTER AND IN ANY LANGUAGE.



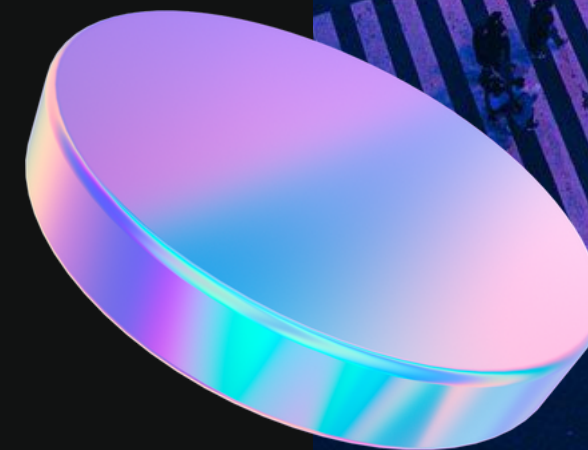


Abstract

So what is this all about?

The service lets you talk to the server endpoints using REST API through text or speech input.

Client-Server architecture communicating over the cloud giving new capabilities to existing apps and services.



Some Background

THE STORY OF DISABLED

Today's disabled are caught in the crossfire of Covid-19 and Digitization of practically everything.

The main issue arises with the online communication. How can a blind man chat? How can a mute man call?

THE TALE OF DIFFERENT LANGUAGES

The Online Era connected the world together but was that enough? What about the barriers in communication due to different languages?

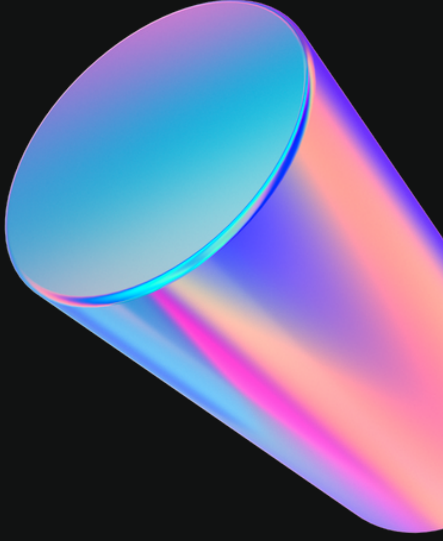
What about those who have to live in places even without knowing the language that is spoken there?

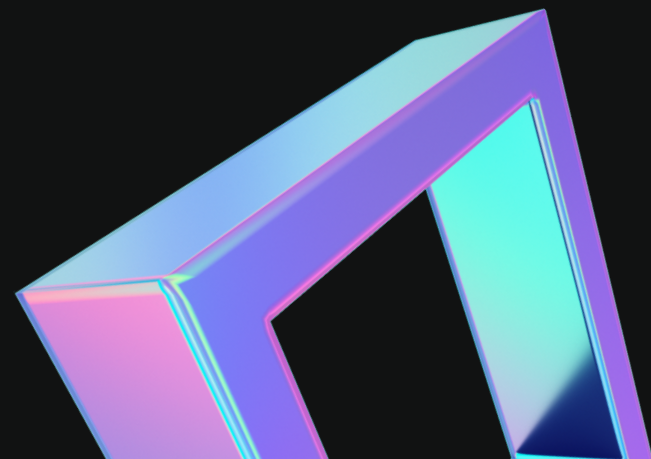


Our Key Features

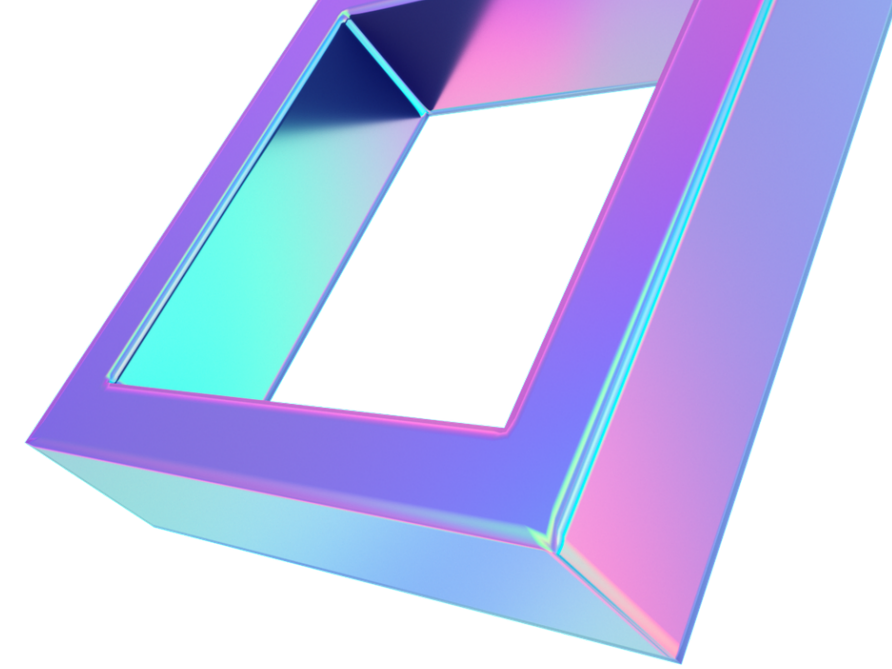
FOR MORE DETAILED INFORMATION GO
TO THIS LINK

<https://cloudconnect-features.vercel.app/>

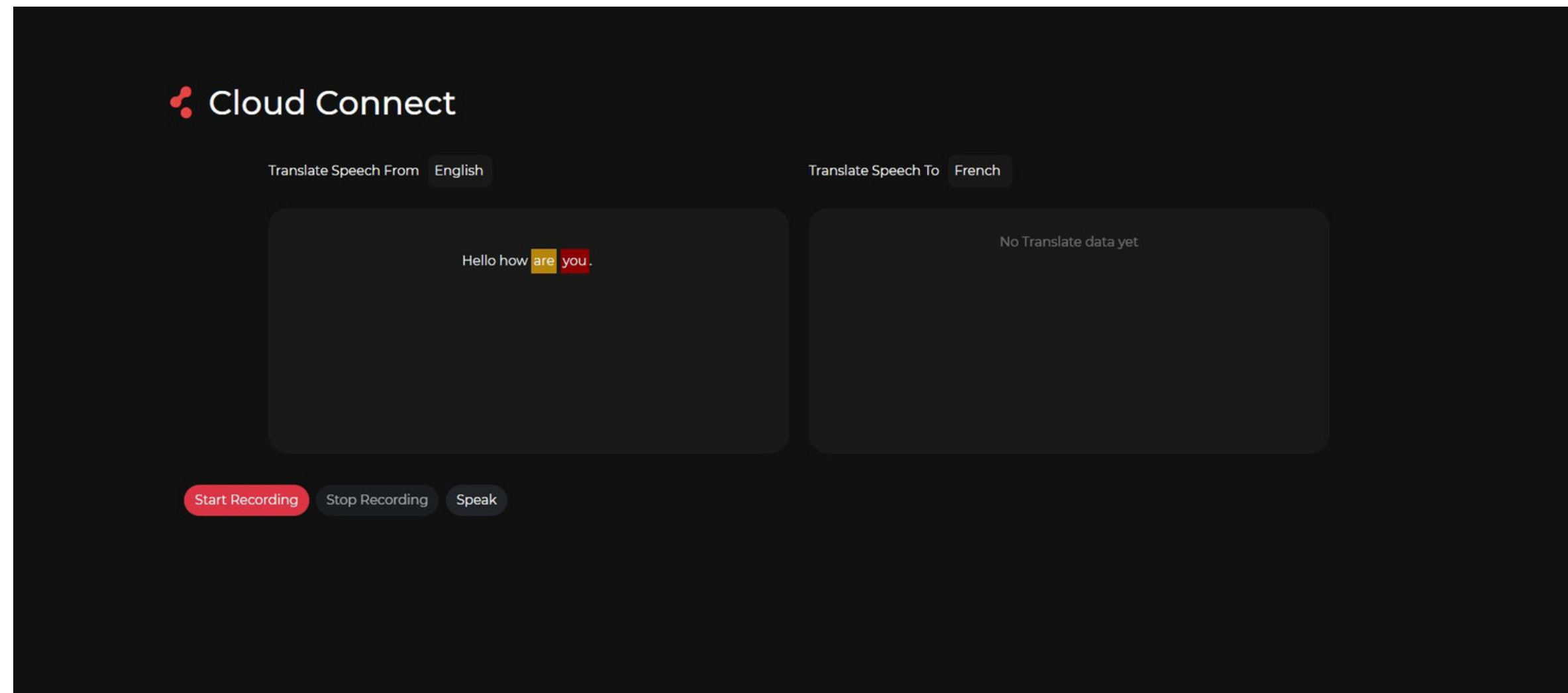
- 
- Global vocabulary
 - Streaming speech recognition
 - Multi-Client Support
 - Grammar recognition
 - Content filtering
 - Speech adaptation



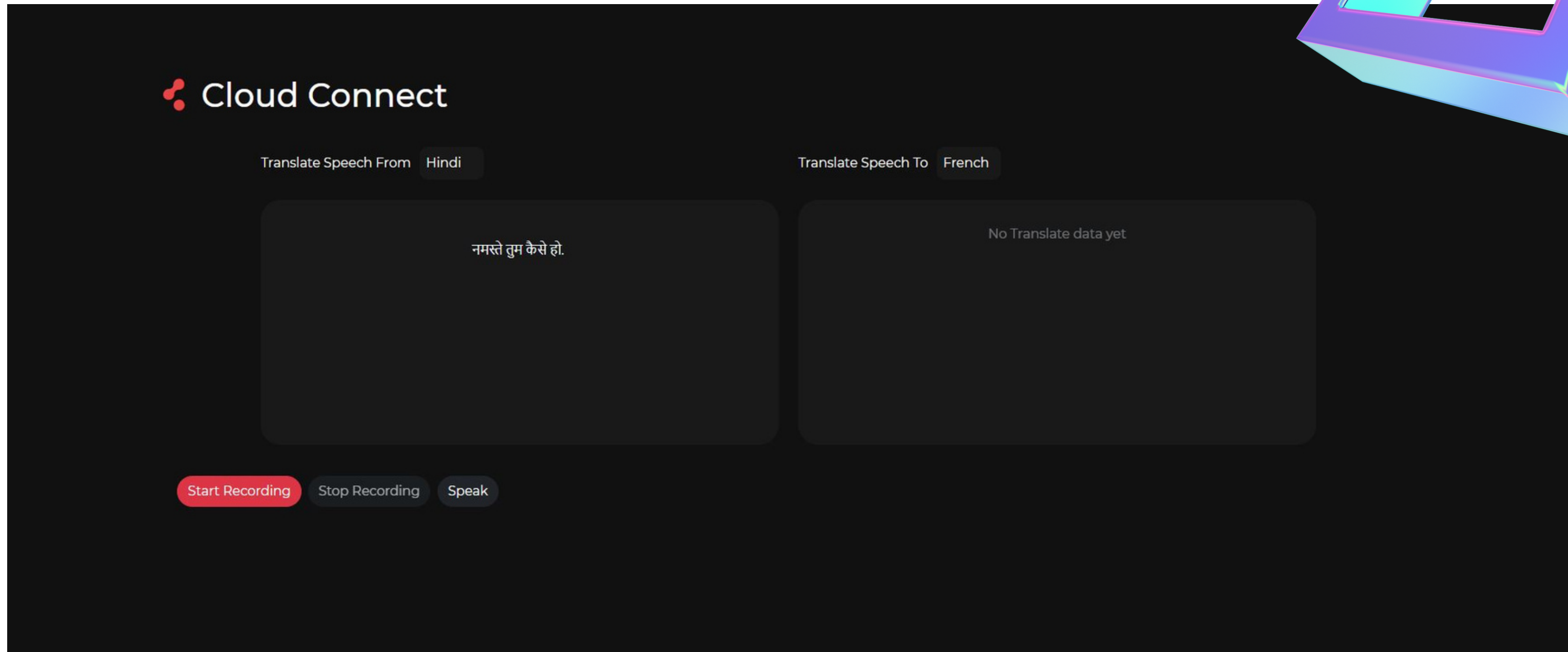
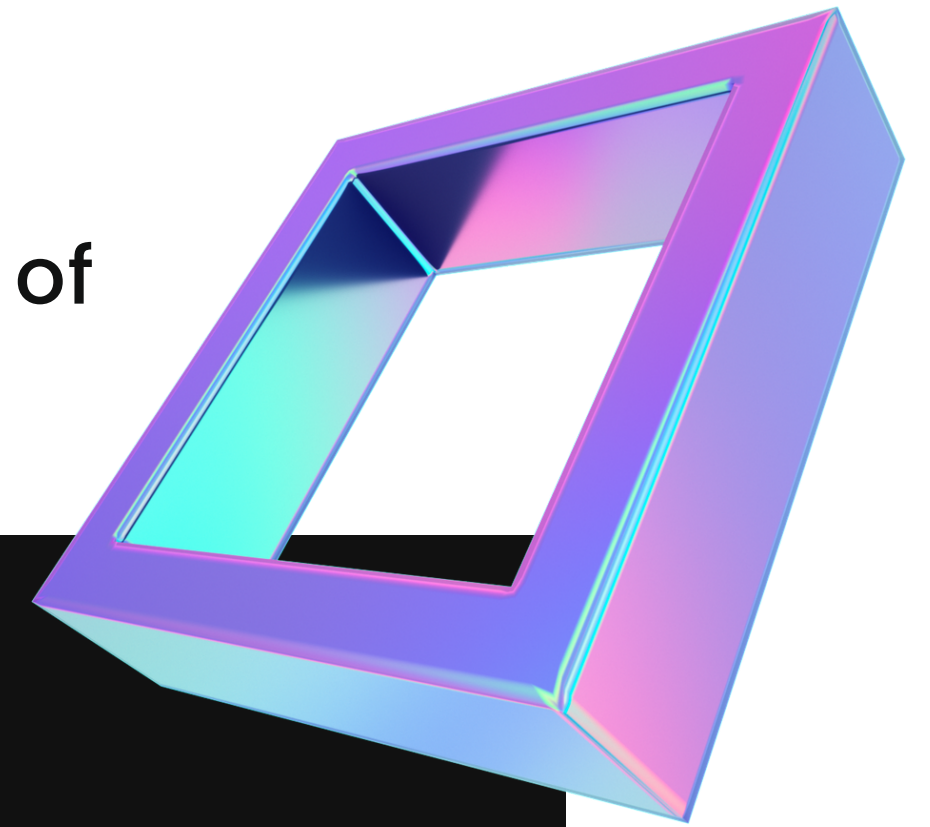
How Does this actually work?



01 Firstly you have to simply say what's on their mind and we will convert it into text.

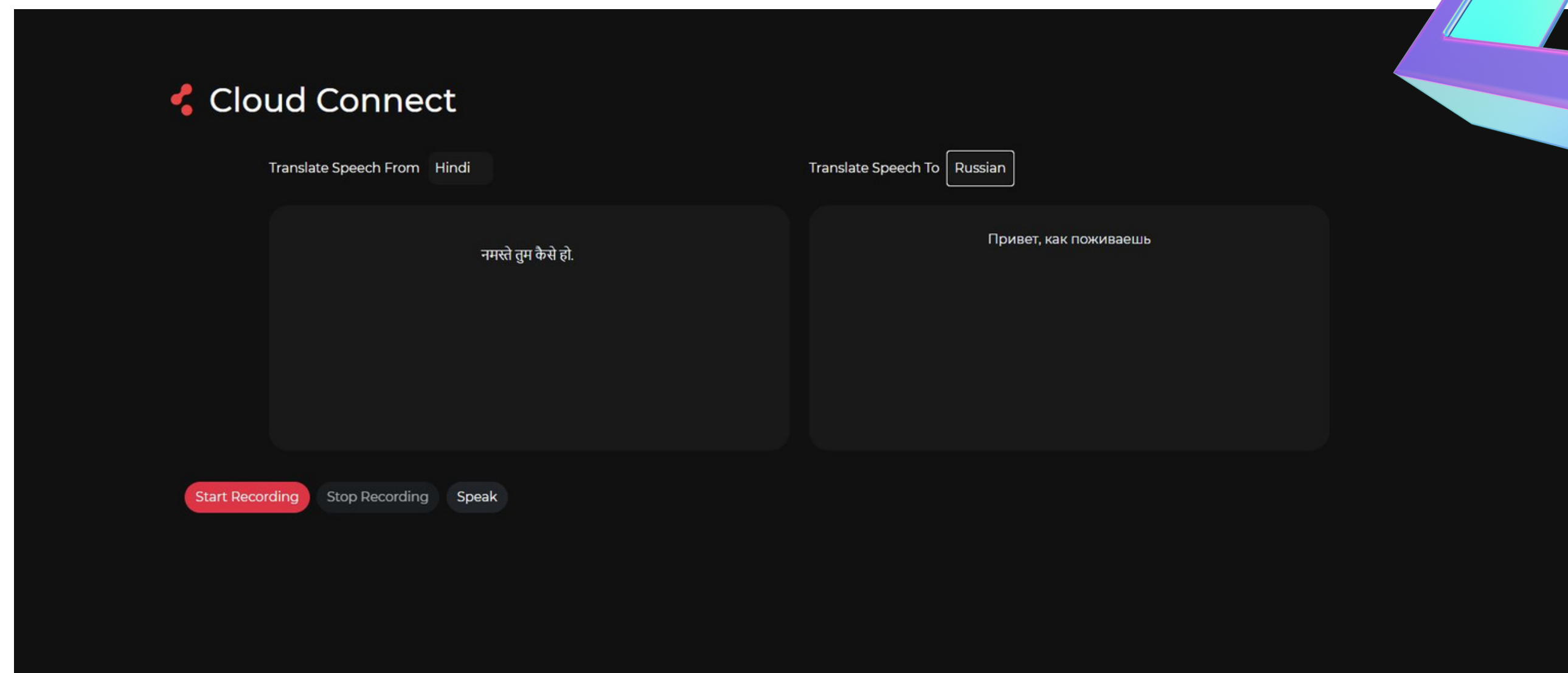
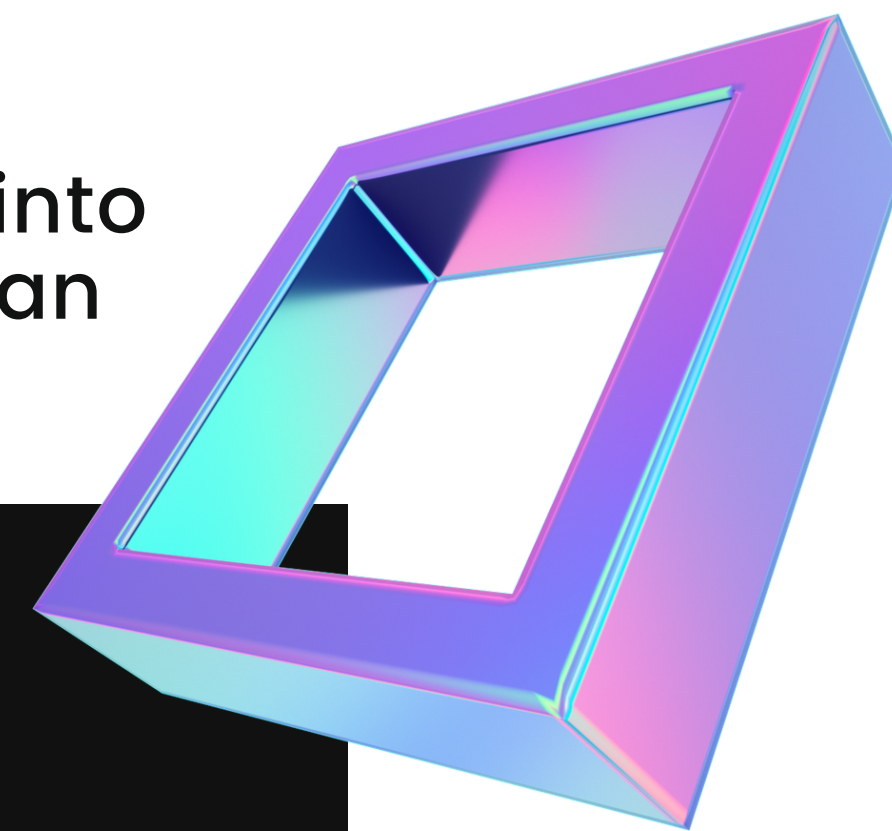


02 You can also select a language you are comfortable in before saying anything and we will convert it into the text of your preferred language



03

Now you select the Language you want to translate it into and we will give you the written translation as well as an automated speaker who would read that out.



Tech Stack



- JavaScript

- Node.js



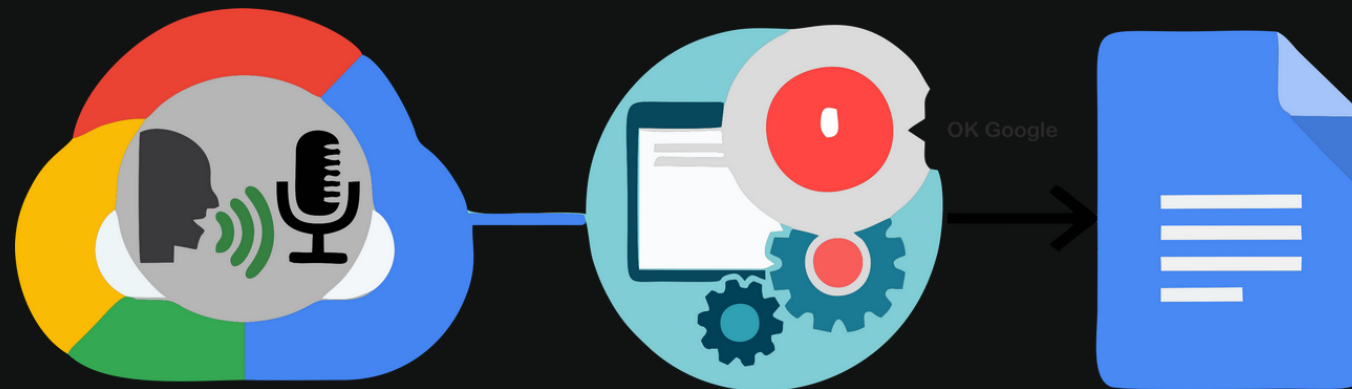
- Socket.io

- Google Speech-To-Text API

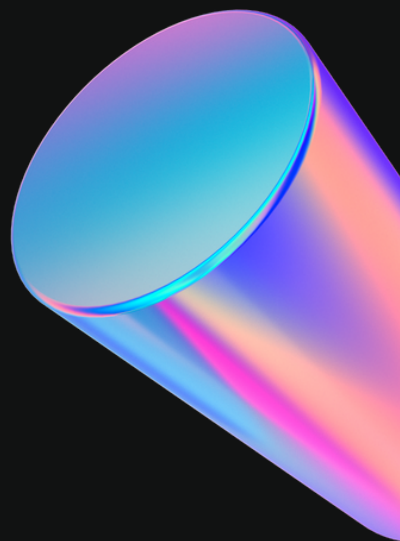
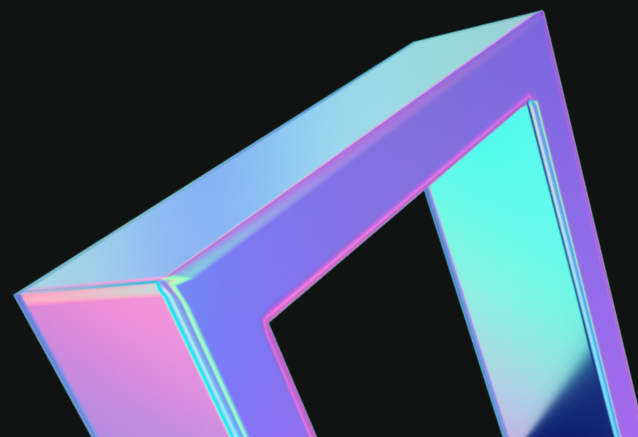
- HTML5/CSS3

- Express.js

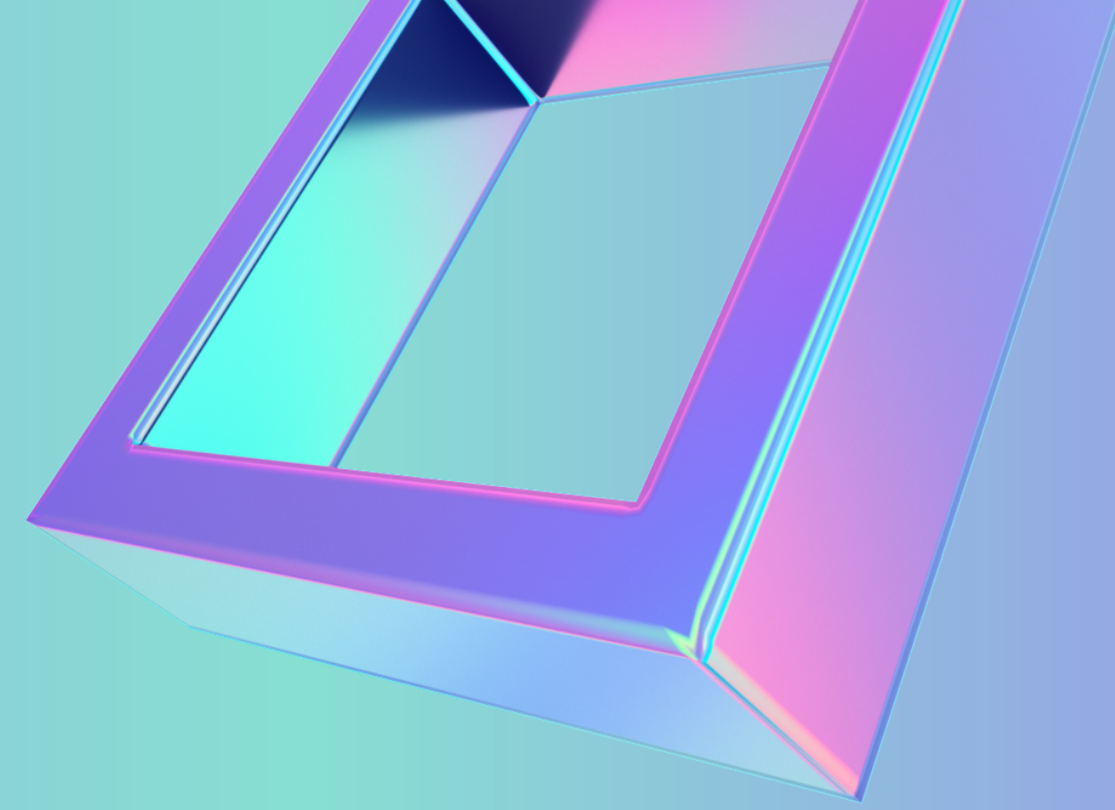
- EJS (Templating Engine)



<%= EJS %>



The Real Time Applications



LANGUAGE BARRIER

Whether you are trying to communicate with a foreign cab driver or a store clerk, our service is your personal interpreter that you can trust. Need interpretation service for a business meeting in China, Japan or any other place that English is not the first language?

Our service provides you with your personal interpretation service directly over your smartphone. Getting quality human interpretation anywhere has never been easier.

EMPOWERING DISABLED

For a person with hearing disabilities, real world audio transcription is very comforting and empowering. Likewise for people with sight disabilities, text-to-speech service helps them tremendously.

MULTI CHANNEL TRANSCRIPTION

All ideas doesn't come from common language so our service helps you to annotate and transcribe from video conferences and audios.

LANGUAGE LEARNING PAL

A world where finding native speakers is really tough, leveraging technology to help people learn and practice new languages is an enormous help



Use Cases

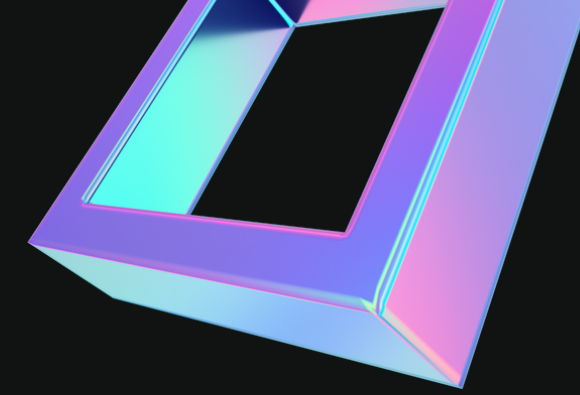
Improve customer service – It can improve your customer service by Interactive voice interaction and perform analytics on the conversations to improve the customer service even further.

Enable voice control – Enabling voice commands such as asking the temperature of a particular city and turning up the volume etc.

Transcribe multimedia content – Transcribe all the audio and video content to include captions to improve user feedback and reachability..



MEET THE TEAM



ABHINAV TRIPATHI

He is a die hard Java enthusiast. He is a Python and Android developer and currently exploring ML and Data Science and is excited about exploring Google Cloud

SAKSHAM ANAND

He is a backend web developer who specializes in C/C++ and Algorithms. He is interested in Database Engineering with specialization in PostgreSQL.

MUAZZAM FARAAZ

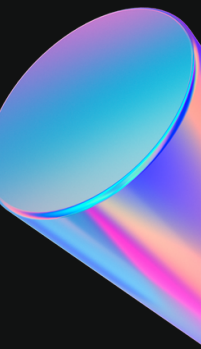
He is a tech explorer and a tech enthusiast. He specializes in Dart and Flutter and is a web developer and is keen towards Android development

VAIBHAV SUWALKA

He is tech explorer and team manager who specializes in game development in OpenGL and Unity(C#). He is an expert at Google Cloud.

NAMYA SHAH

She is a die hard python fan and loves Java. She is exploring ML and Data Science with speciality in Deep Learning with Tensorflow





References

SPEECH TO TEXT DOCUMENTATION

<https://cloud.google.com/speech-to-text>



EXPRESS.JS DOCUMENTATION

<http://expressjs.com/en/api.html>

SOCKET.IO DOCUMENTATION

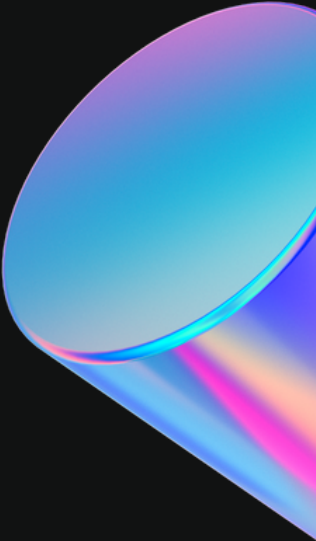
<https://socket.io/docs/v3/index.html>

NODE.JS DOCUMENTATION

<https://nodejs.org/en/docs/>

TEXT-TO-SPEECH RESEARCH PAPER

https://www.researchgate.net/publication/276195975_Design_and_Implementation_of_Text_To_Speech_Conversion_for_Visually_Impaired_People





Thank You!