

IIElevenLabs AI Hackathon

IIElevenLabs



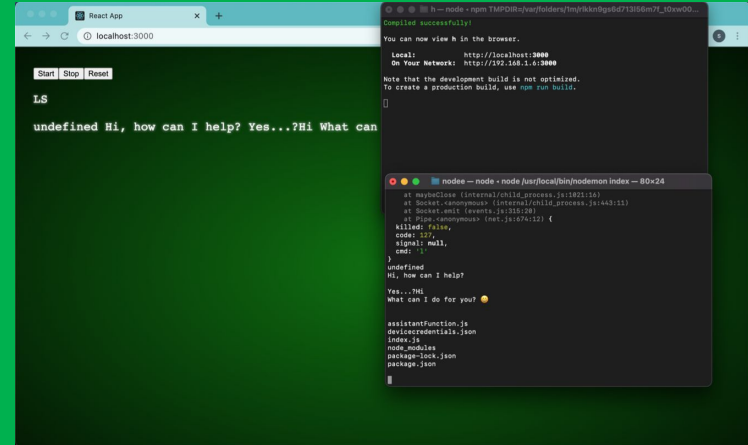
new native
group



Introducing **Voice CLI** - Revolutionizing Terminal

Interactions with ElevenLabs Voice AI

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IIT Madras



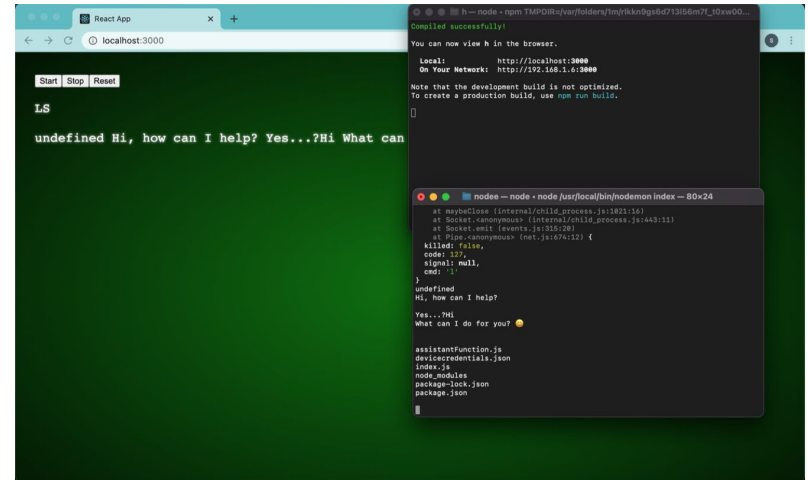
Accessibility for all is directly related to equality and equity being practiced in the real world

No one should feel excluded in society, and should have equal access to all opportunities

Society as a whole benefits when each member feels valued

Thus is born

Voice CLI



Problem Statement

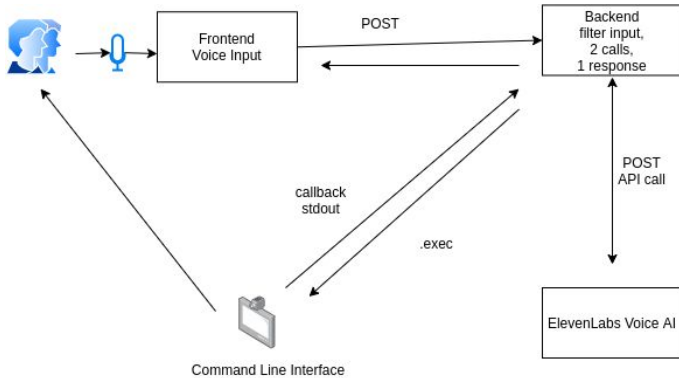
Embracing Automation and Innovation

As a developer, I've always been fascinated by the world of automation. However, the thought of venturing into this domain has been intimidating. Thanks to this opportunity, I can now step out of my comfort zone and explore the limitless possibilities of Voice CLI and ElevenLabs Voice AI.

With Voice CLI, terminal interactions will never be the same. Join us in embracing this exciting journey of automation and innovation with the power of ElevenLabs Voice AI!

Enabling Access for visually challenged developers

Access for all gives everyone an equal chance to participate, and to make the lives of visually challenged developers easier to account for the daily hardships and hurdles they have to mitigate would be a step in the right direction



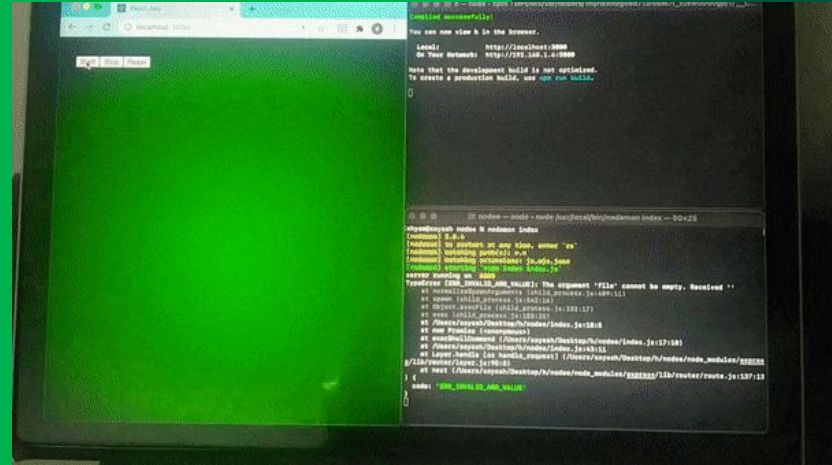
```
nodejs — node • node just/local/bin/nodemon index — 80x24
  at maybeClose (internal/child_process.js:1021:16)
  at Socket.<anonymous> (internal/child_process.js:443:11)
  at Socket.emit (events.js:315:20)
  at Pipe.<anonymous> (net.js:674:12) {
  killed: false,
  code: 127,
  signal: null,
  cmd: '1'
}
undefined
Hi, how can I help?
Yes...?Hi
What can I do for you? 🤖

assistantFunction.js
devicecredentials.json
index.js
node_modules
package-lock.json
package.json
```

Solution

Introducing Voice CLI - Revolutionizing Terminal Interactions with ElevenLabs

Voice AI



The solution- Voice CLI

The solution features a Command Line Interface (CLI) equipped with state-of-the-art Natural Language Processing capabilities using the revolutionary terminal powered by ElevenLabs Voice AI. The backend uses Google Cloud Platform (GCP) and the Google software development (Google SDK) kit

The solution I have designed uses NodeJS in the backend and to execute the shell commands, ReactJS for frontend and taking voice input

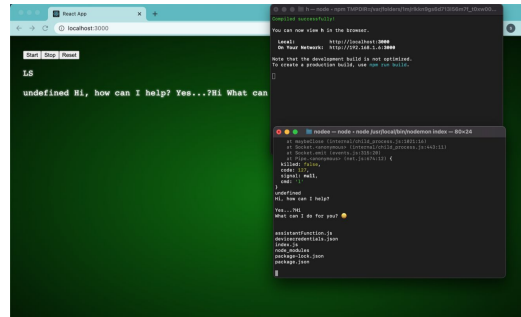
The project utilises ElevenLabs Voice AI, Google Cloud Platform (GCP) and the Google Assistant SDK, making this the most advanced, robust, and unique solution spanning a wide range of technologies

The solution- Voice CLI

It enables the visually challenged developers to have an NLP-equipped verbal power tool which they can use to power through their daily tasks

The Command Line Interface (CLI) features-

- Dictation
- Automatic shell command execution
- Artificial Intelligence powered virtual assistant integrated in the shell console

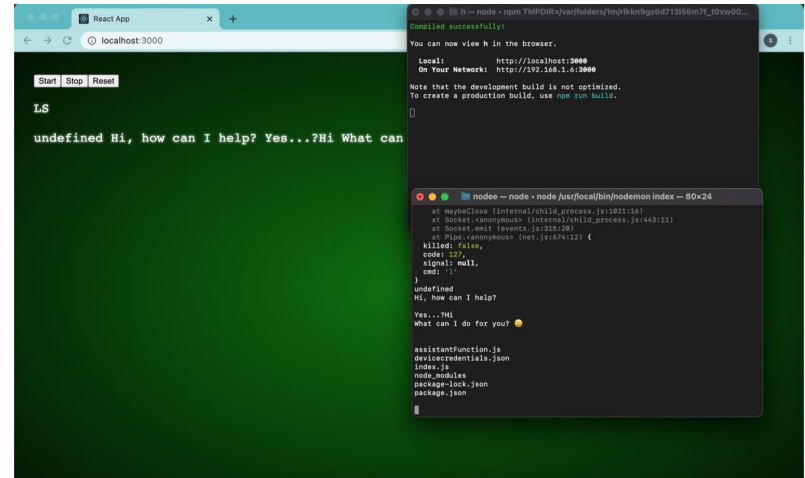


Demonstration- <https://youtu.be/Zh6UOczScYI>

Source code- <https://github.com/sayashraai/VoiceCLI>

Tested and Reliable

The integration of ElevenLabs Voice AI ensures that Voice CLI is not only advanced but also tested for reliability and performance. It has been thoroughly tested in a BASH workspace on Mac Big Sur, guaranteeing a seamless experience for users.



Thank You

**Sayash Raaj Hiraou,
IIT Madras, 3rd year student**

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