

## Vulmo: Your Next-Gen Voice AI Assistant

Vulmo is a cutting-edge voice assistant application built for the Murf Voice Agent Hackathon. It offers a hands-free, intuitive conversational experience directly in your browser.

---

### Key Features

- **Seamless Voice Interaction:** Utilizes **browser-native Speech Recognition** (webkitSpeechRecognition) to accurately capture and transcribe your voice input in real-time.
  - **Custom AI Intelligence:** Employs a powerful **custom AI engine** (backed by the Claude Sonnet 4 model) to process voice commands and generate intelligent, concise, and helpful text responses.
  - **Text-to-Speech Output:** Implements **Text-to-Speech (TTS)** functionality using SpeechSynthesisUtterance to speak the AI's response back to the user, creating a full voice-in, voice-out experience.
  - **Real-time Status:** Provides clear visual feedback (Listening, Processing, Speaking) and error handling, ensuring a smooth user experience.
  - **Modern Interface:** Features a sleek, responsive, and visually appealing gradient-themed interface built with **React** and **Tailwind CSS**.
- 

### Technology Stack

- **Frontend:** HTML5, CSS (Tailwind CSS), React (via Babel/CDN).
  - **Core Logic:** Vanilla JavaScript, utilizing Web Speech API (SpeechRecognition / webkitSpeechRecognition) and Web Speech API (SpeechSynthesis).
  - **AI Backend:** External API calls to the **Anthropic API** (specifically, the claude-sonnet-4-20250514 model) for conversational intelligence.
- 

### Getting Started

To run this project locally, you only need a modern web browser that supports the Web Speech API (like Chrome).

1. **Clone the repository:**

Bash

```
git clone [Your-Repo-Link]
```

2. Open the file:

Open the vulmo.html file directly in your web browser.

3. API Key (Required):

The current implementation requires an API key to communicate with the Anthropic service. Note: For a live deployment, you would need to proxy the API call through a secure backend server instead of directly exposing the API key in the frontend code.

---

## Preview

## Built For

- Murf Voice Agent Hackathon
  - Techfest IIT Bombay
- 

## License

This project is licensed under the MIT License - see the LICENSE.md file for details.

Would you like me to add a section for **Future Enhancements** or a **Contributing** section?