Title: AI Virtual Public speaking coach

**Problem to be Solved:**

The virtual coach application aims to enhance users' public speaking and communication abilities through personalized, real-time feedback and practice scenarios. It addresses the need for accessible, user-friendly training that doesn't require specialized hardware. The app offers advanced speech analysis, customizable practice environments, and interactive feedback to help users improve their pacing, clarity, tone, and filler word reduction while tracking their progress and boosting confidence.

**Features:**

* **Video and Audio Detection:** Utilizes JavaScript and HTML to capture user's speech and facial expressions for analysis.
* **Login/Logout:** Enables personalized settings and secure data management.
* **Goal Setting:** Allows users to input their specific goals and receive tailored feedback.
* **Speech Writing Assistant:** Provides AI-powered guidance and suggestions for crafting effective speeches.
* **Rehearsal with AI Feedback:** Analyzes facial expressions, tone, and pace using AI, specifically machine learning to deliver real-time feedback on performance.
* **Progress Tracking:** Stores user data to monitor improvement and identify areas for focus.
* **Web API will be used to create a camera**

Links

Voice to text

<https://gopesh3652.medium.com/building-a-voice-to-text-app-with-javascript-a-step-by-step-guide-9042493bdd63>

Text to speech

<https://dev.to/devsmitra/convert-text-to-speech-in-javascript-using-speech-synthesis-api-223g>

<https://medium.com/@sparajack400/top-ai-tools-for-creating-effective-public-speaking-scripts-a2b909878ce4>

<https://www.linkedin.com/advice/0/how-do-you-handle-user-input-javascript#:~:text=2%20How%20to%20get%20user%20input,-JavaScript%20offers%20various&text=HTML%20form%20elements%20like%20%3Cinput,querySelector()%2C%20or%20document>.

<https://code-literacy.medium.com/using-web-apis-to-create-a-camera-application-26fc0fc2b8c3>

<https://dev.to/hr21don/capture-real-time-audio-and-video-with-webrtc-49f8>

<https://benmeer.com/newsletter/speeko/>

<https://www.builtinchicago.org/articles/speeko-helps-users-public-speaking>

<https://yoodli.ai/blog/orai-vs-speeko-what-to-know>