

AI for Bharat Hackathon

Powered by **aws**



Team Name : Team CRN

Team Leader Name : Varun Damal

Problem Statement : Build an AI-powered solution that improves access to information, resources, or opportunities for communities and public systems.

Brief about the Idea:

- **Community Resource Navigator:** A multilingual, voice-first AI assistant designed for the “next billion users.”
- It allows users to simply speak in their native language (Hindi, Marathi, Tamil, English) to find government schemes.
- It provides audio-visual guidance, works offline, requires no login, and ensures complete privacy.

How is it different?

Vs. Gov Portals: Voice-first interaction (vs. text-heavy), multilingual support (vs. English only), and works offline.

Vs. Apps: No download required (Web-based), works on 2G/3G, and zero data collection.

How does it solve the problem?

Eliminates the literacy barrier by using **Web Speech API** for input and output. Bridges the language gap with real-time support in 4 Indian languages.

USP (Unique Selling Proposition):

First-of-its-kind voice-first platform specifically for underserved communities that is **Production-Ready** and **Deployable Today**.

List of Features

Voice-First Interface: Click-to-speak interaction with real-time transcription.

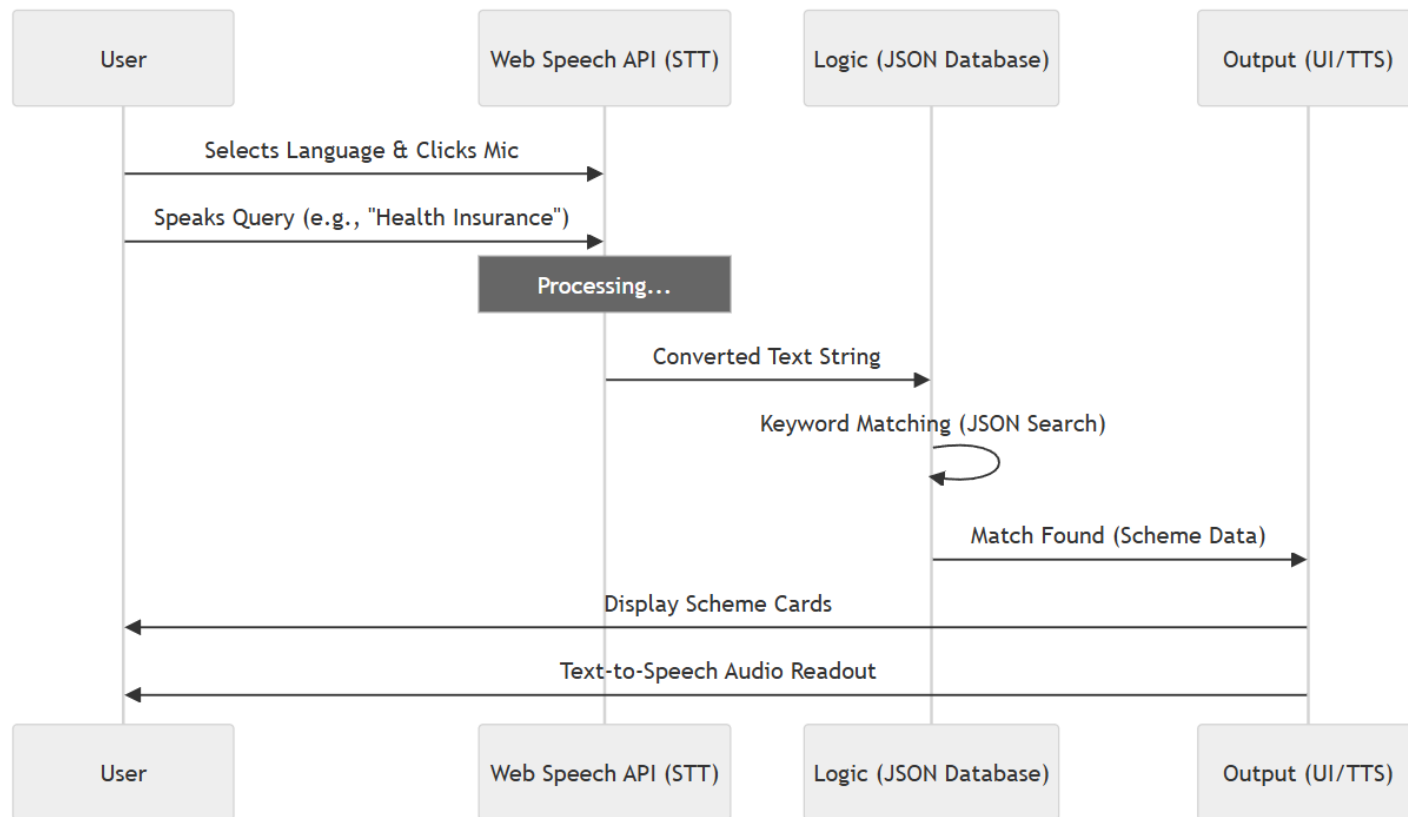
Multilingual Support: Full support for English, Hindi, Marathi, and Tamil.

Zero Barriers: No login, no registration, and no app download needed.


Accessibility First: WCAG 2.1 AA compliant with audio read-out of results.

Verified Database: Access to 100+ schemes across Healthcare, Education, and Finance.

Voice-Activated Scheme Search Workflow



Mockup



Community Navigator


सामुदायिक संसाधन नेविगेटर | Your Guide to Government Schemes & Local Resources

English


हिंदी (Hindi)

मराठी (Marathi)


தமிழ் (Tamil)



Speak Your Question



Click to start speaking




Type Your Question


Ask about government schemes, healthcare, education...

Get Help Now


Quick Access




Healthcare



Education



Financial Aid



Employment

Architecture Diagram



Technologies Used

Frontend: HTML5, Vanilla JavaScript.

Styling: TailwindCSS.

AI/ML: Web Speech API (Native Browser AI for Speech Recognition & Synthesis).

Deployment: GitHub Pages / Netlify / Vercel (Static Hosting).

Estimated Implementation Cost

Hosting: ₹0 (Free tiers via GitHub/Netlify) to ₹6,000 (Self-hosted).

Domain Name: ~₹800/year.

Maintenance: Volunteer-driven (Zero cost).

Total Annual Cost: < ₹10,000 / year.

