

AI for Bharat Hackathon

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Team Name : Team sparkle

Team Leader Name : Pratham Shetty

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

BRIEF ABOUT THE IDEA:

Saarthi AI is a multilingual conversational assistant that helps citizens discover and apply for government schemes, jobs, scholarships, healthcare services, and public resources easily using chat or voice.

Many citizens especially rural and elderly cannot understand complex government websites or English forms.

Our AI acts as a digital guide that communicates in local languages and gives step-by-step assistance.

Your solution should be able to explain the following:

- **How will it solve the problem?**

User speaks or types in local language

AI understands intent

AI collects profile details (age, income,
occupation)

Matches with schemes database

Suggests opportunities

Guides form filling

Sends reminders before deadlines

- **USP (Unique Selling Point)**

Digital Social Worker powered
by AI available 24/7"

Voice + WhatsApp support

Works on low literacy users

Personalized recommendations

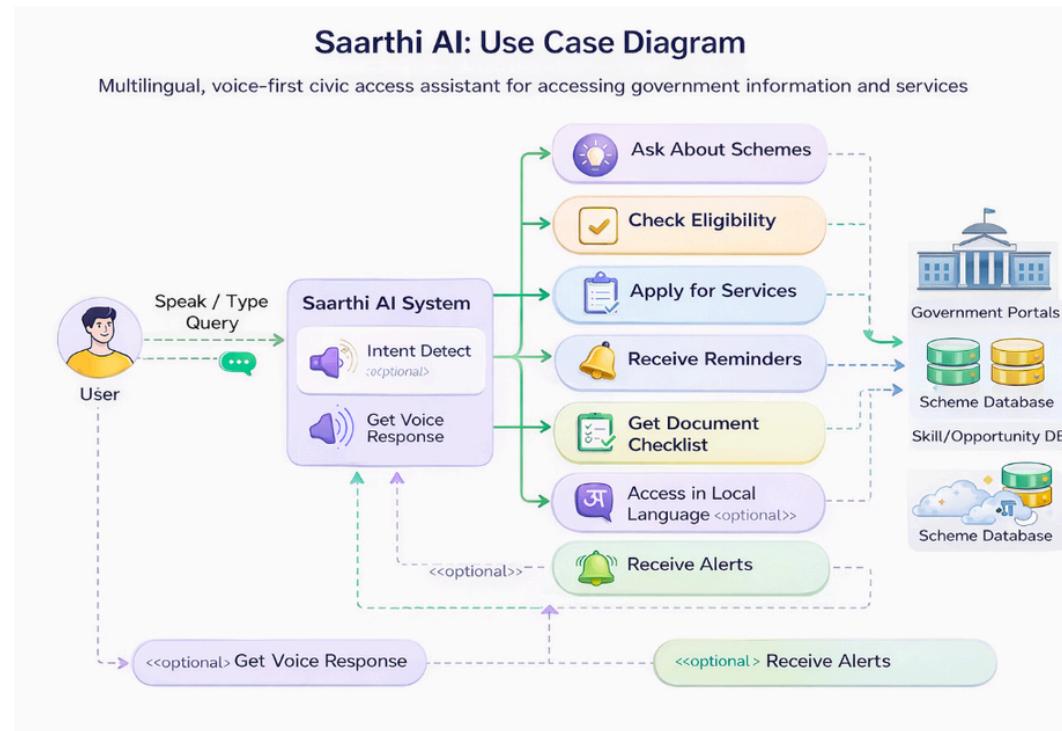
Opportunity alerts automatically

List of features

Multilingual regional language support
Voice-first interaction
AI-based scheme recommendation
Automated eligibility checking
Step-by-step application guidance
Personalized document checklist
Deadline alerts and updates
Low-bandwidth optimization
Secure, consent-based data handling



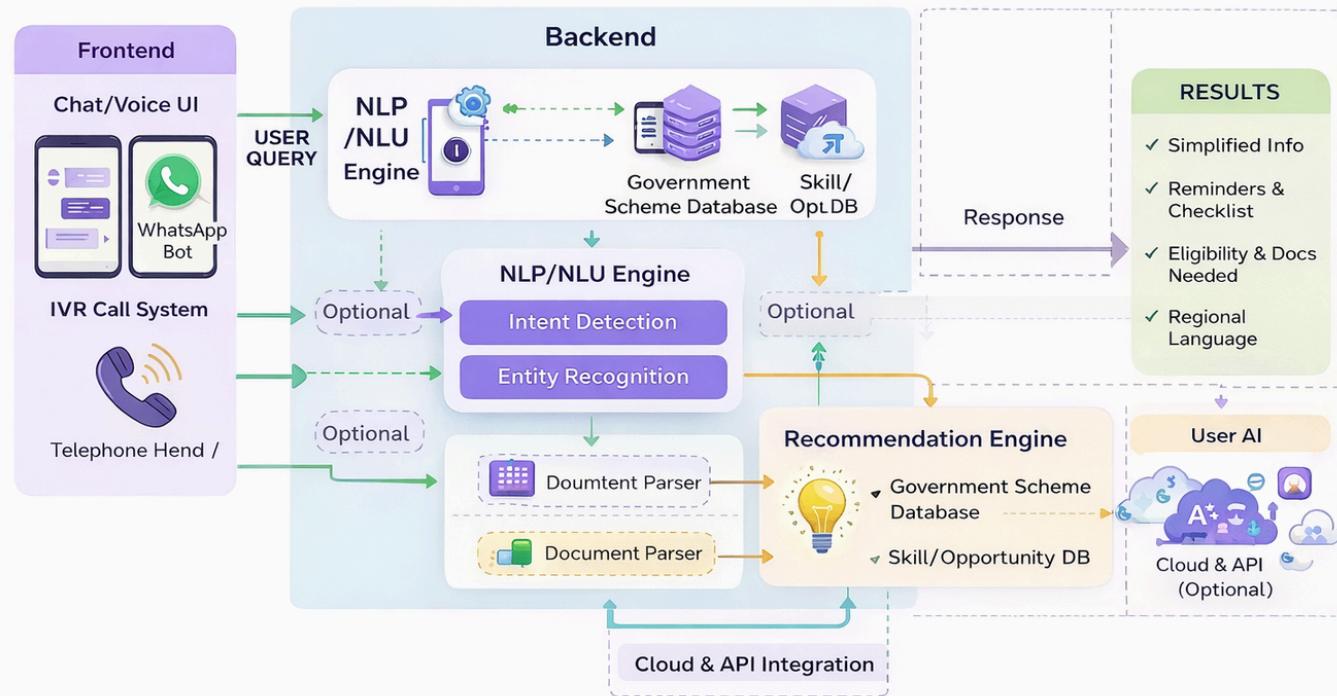
Process flow diagram or Use-case diagram



Architecture diagram of the proposed solution:

Saarathi AI: Architecture Overview

Multilingual, voice-first civic assistant for public access to information and services



Technologies to be used in the solution:

Frontend:

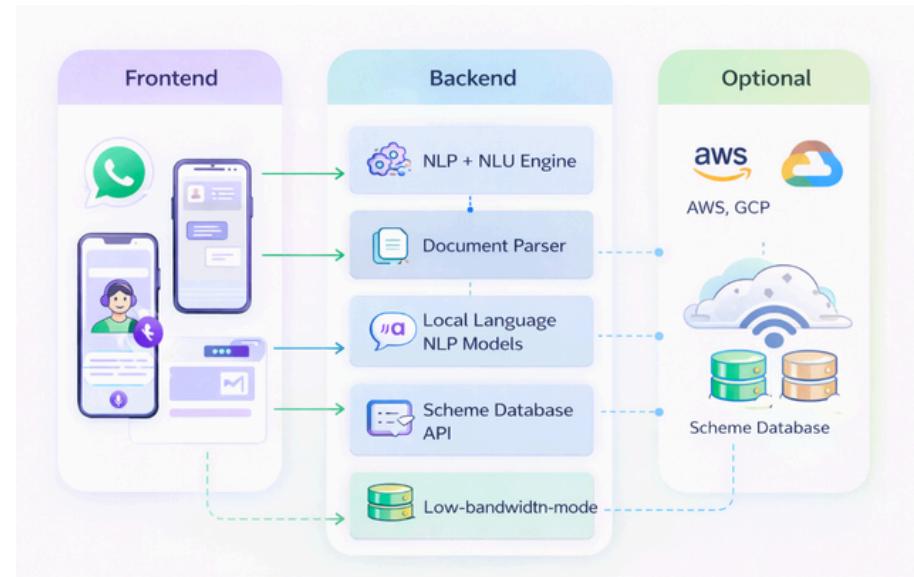
- Chat/Voice UI
(WhatsApp/Web/App)

Backend:

- NLP + NLU engine
- Document parser
- Local language NLP models
- Scheme database API

Optional:

- AWS, GCP deployment
- Edge caching for offline



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Thank You

