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AI for Bharat Hackathon

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Team Name :SamazConnect

Team Leader Name :K.Deepthi

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

Brief about the Idea:

Access to critical information should never be a barrier to opportunity, yet many people still struggle to navigate fragmented public systems, complex websites, and unclear communication when looking for support such as healthcare services, government benefits, education programs, or local opportunities. Our idea focuses on closing this gap by creating an intelligent, user-friendly platform that acts as a single point of access for trusted information. By enabling people to ask questions in simple language and receive clear, relevant guidance, the solution empowers communities to make informed decisions, improves awareness of available resources, and strengthens the connection between citizens and public systems in a meaningful and inclusive way.

SOLUTION:

How different is it:
Our solution stands out by providing a unified, conversational interface that simplifies access to public resources, unlike traditional systems that require manual navigation and technical understanding. It emphasizes personalization, clarity, and inclusivity.

How it solves the problem:
By allowing users to interact in natural language, the system intelligently retrieves relevant information and presents it in a clear, actionable format, enabling faster decision-making and improved access to services.

USP:
A human-centered design combined with AI-driven personalization, multilingual support, and transparent information delivery ensures accessibility, trust, and real-world impact.

List of features offered by the solution

Core AI Features: Natural language chatbot to answer questions about services and opportunities Personalized recommendations based on user needs and location Intelligent search across trusted sources . Simple summaries of complex information.

Accessibility Features: Multilingual support (local languages + English) Voice input and audio responses for low-literacy users Simple, intuitive interface designed for all age groups Mobile-friendly and low-bandwidth mode.

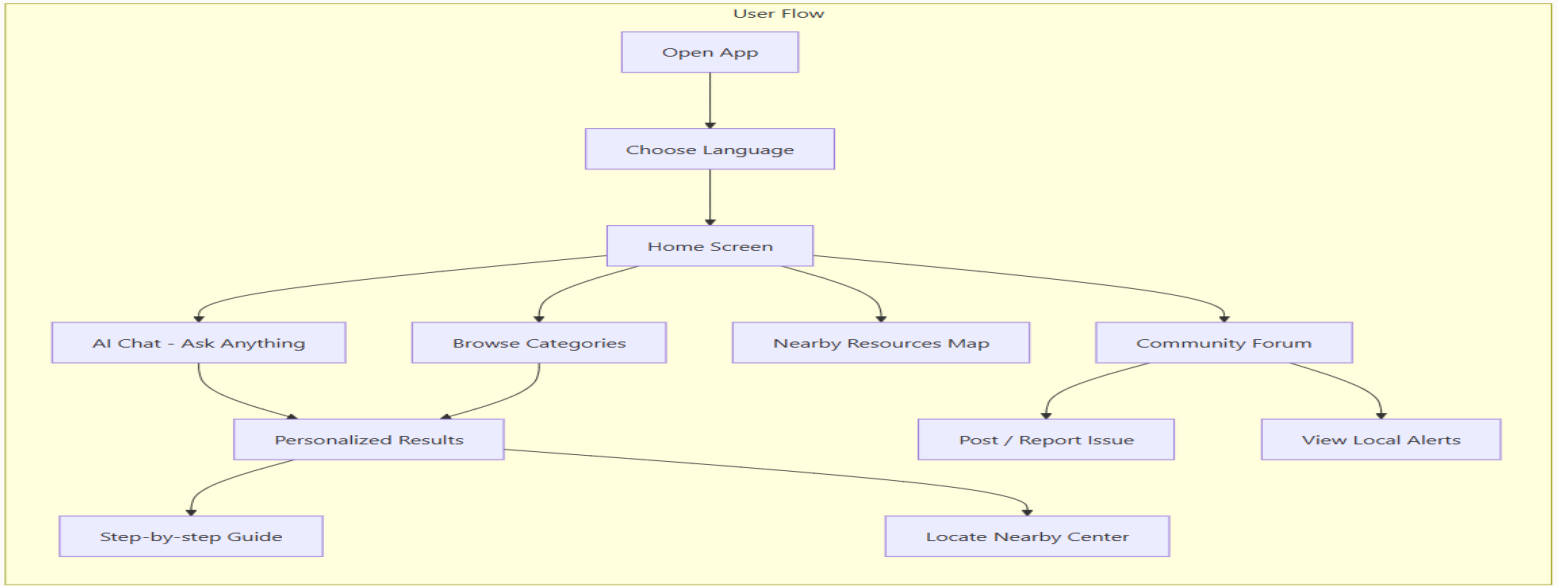
Information & Guidance: Real-time updates on government schemes, jobs, and local programs
Step-by-step guidance on how to apply for services Nearby resource locator (clinics, offices, training centers) Notifications and reminders.

Trust & Responsible Design: Transparent sources and explainable answers Privacy-first design with minimal data collection Feedback system to improve accuracy Bias and misinformation checks.

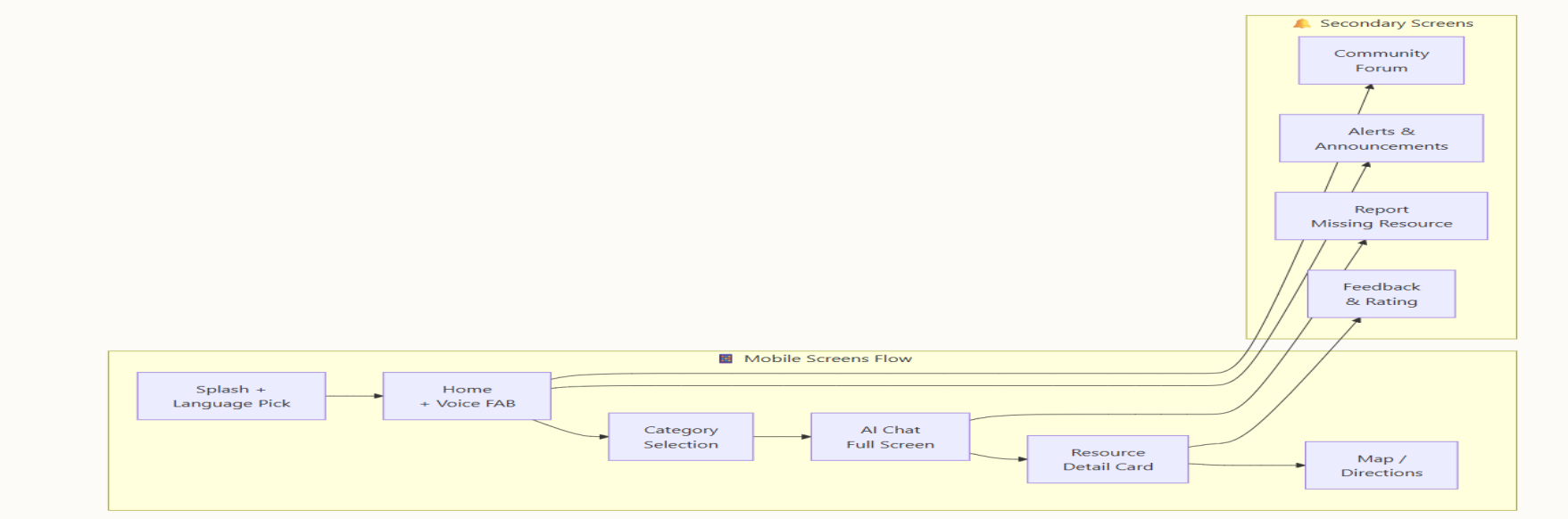
Community Features:
Community help forum or support channel
Reporting issues or missing resources
Local announcements and alerts

Process flow diagram or Use-case diagram

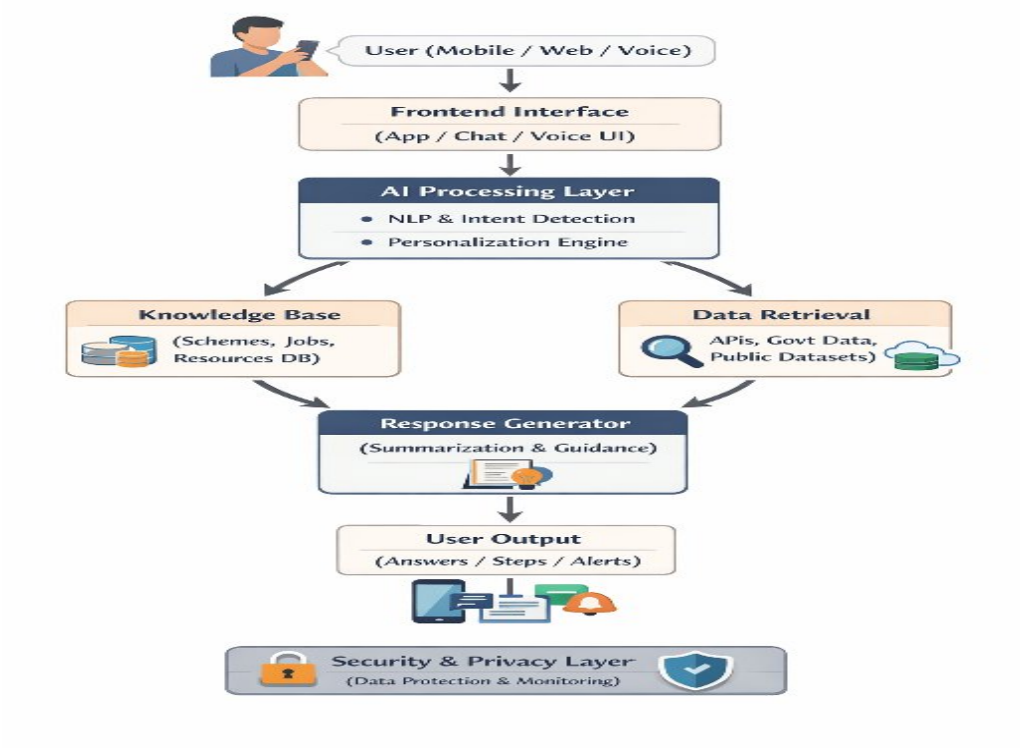
Visual sketch:.



Wireframes/Mock diagrams of the proposed solution (optional)



Architecture diagram of the proposed solution:



Technologies to be used in the solution:

- AI & ML: LLM + NLP for smart assistance and recommendations
- Frontend: React / Flutter for simple, accessible user interface
- Backend: Python (FastAPI) / Node.js for APIs and logic
- Database: MongoDB / PostgreSQL + vector search for fast retrieval
- Cloud: AWS / GCP for scalable deployment
- Integrations: Public APIs + notifications (SMS/Email/Push)
- Security: Authentication + responsible AI practices
- Analytics: Usage tracking and feedback system

Estimated implementation cost (optional):

Development Tools: Open-source tools, student licenses — ₹0–₹2,000
Cloud Hosting: Free tier / startup credits (AWS, GCP, Azure) — ₹1,000–₹5,000
AI API Usage: Limited prototype usage — ₹3,000–₹10,000
Domain & Miscellaneous: Testing, minor services — ₹1,000–₹3,000
Total Estimated Cost (Prototype): ~₹5,000–₹20,000

Add as per the requirements for the hackathon:

The proposed solution is designed to be cost-efficient by leveraging open-source technologies, student developer tools, and cloud free tiers. During the hackathon phase, most development can be completed with minimal infrastructure costs.
Development & Tools: Open-source frameworks and free IDEs — minimal cost
Cloud & Hosting: Free tier or hackathon credits — ~₹1,000–₹3,000
AI Services: Limited API usage for prototype — ~₹3,000–₹7,000
Testing & Miscellaneous: Domain and minor services — ~₹1,000–₹2,000
Estimated Total (Prototype Stage): ~₹5,000–₹12,000

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Thank You