

Gen AI Exchange Hackathon

Team Name : CodeCaffeine

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Problem Statement : Generative AI for Youth Wellness

Problem Statement:

- Mental health among Indian youth faces **stigma and taboo**
- **Lack of affordable and accessible** professional help
- Students face **academic and social pressure** without support
- **Confidential, empathetic, stigma-free** outlets are missing

Prototype Overview:

Our solution is an AI-powered, confidential, and empathetic mental wellness platform.

Unique Selling Points (USP):

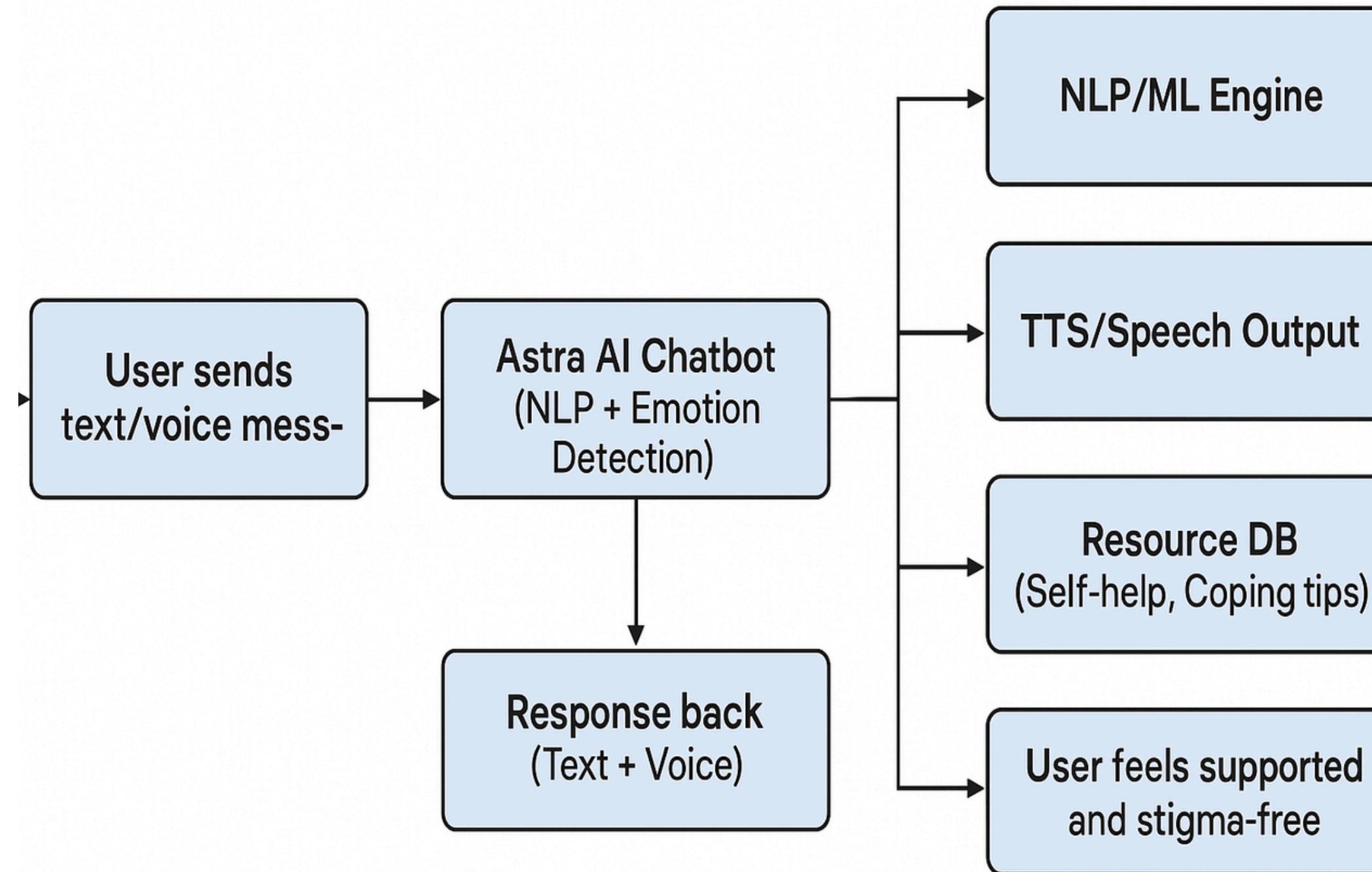
- Confidential & stigma-free
- AI-driven empathetic chatbot (voice + text)
- Multilingual (English, Hindi, Telugu, etc.)
- 24/7 affordable access
- Scalable with Google Cloud GenAI



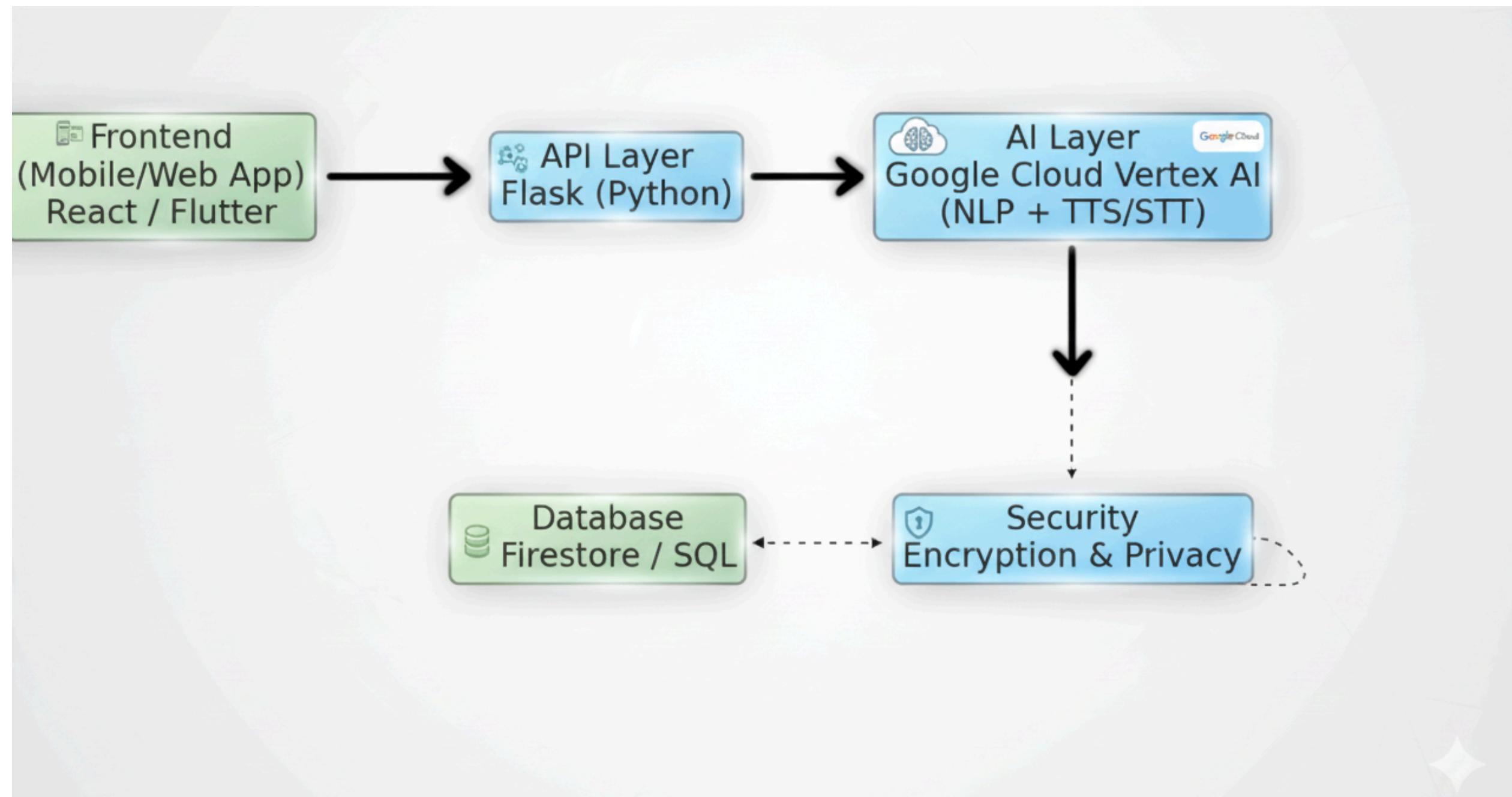
Opportunity & Differentiation

Aspect	Existing Solutions	Our Solution
Target Audience	Generic wellness apps, not youth-focused	Designed specifically for Indian youth
Cost & Accessibility	Expensive subscriptions or limited free access	Affordable, scalable with Google Cloud credits
Language Support	Mostly English-only	Multilingual (English, Hindi, Telugu, etc.)
Interaction Style	Text-only, scripted responses	Text, empathetic GenAI conversations
Confidentiality	Requires personal details in many cases	Anonymous login, data encrypted
Engagement	Static resources, low user retention	Mood tracking, journaling, gamification
Stigma Sensitivity	Limited cultural adaptation	Culturally sensitive, stigma-free design

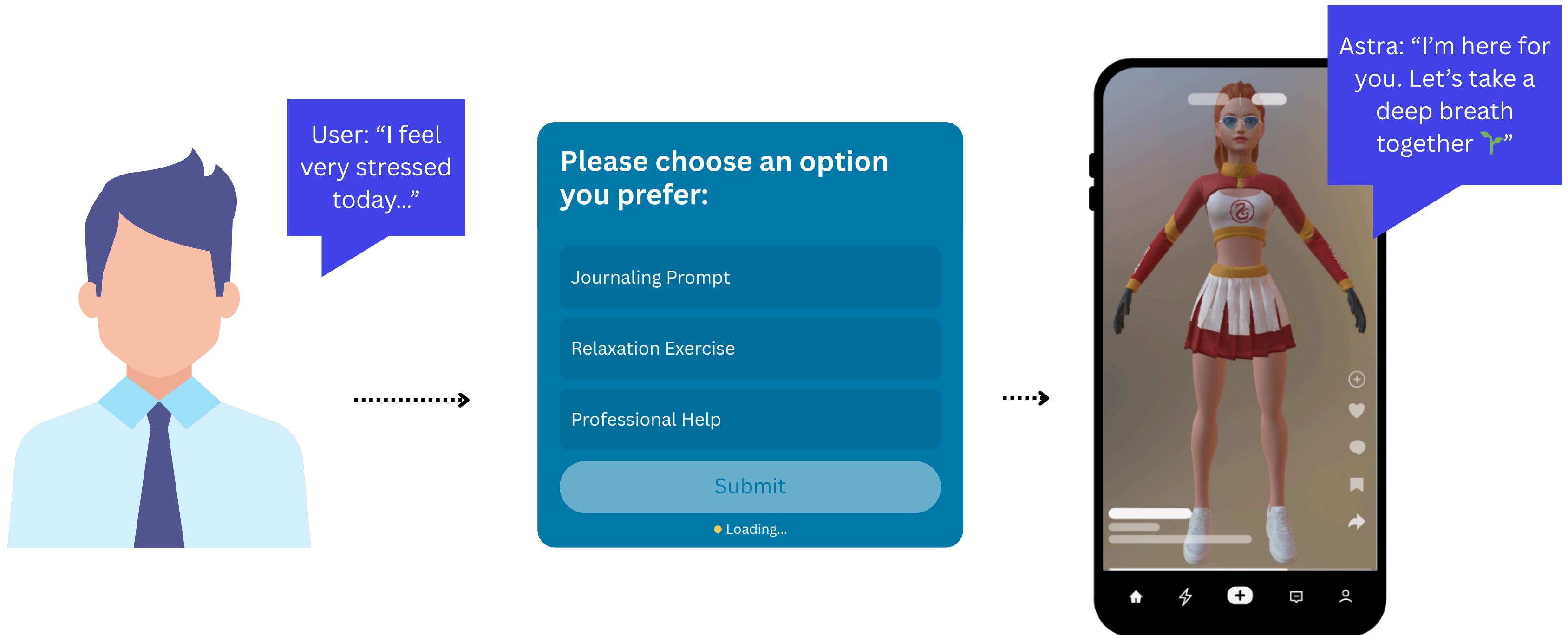
Process Flow



Architecture Diagram



Wireframe – Chatbot Interface



Wireframe: Resource Hub



Resource categories:

- Stress relief exercises
- Guided meditations
- Mental health awareness articles
- Emergency helplines
- Peer support forums

Technologies Used:

* Google Cloud Generative
AI (Vertex AI) *

* React/JS frontend *

* Flask (Python backend) *

* Multilingual TTS/STT
APIs *

* Firebase/Firestore
database *

* Data encryption *

Estimated Implementation Cost

- Prototype: ~₹50,000 (with student credits)
- Scaling to 1,000+ users: ~₹2–3 lakhs annually
- Includes hosting, AI API usage, and maintenance
- Cost reduction possible with Google Cloud for Students

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Thank you