

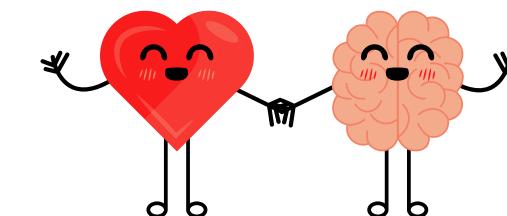
Gen AI Exchange Hackathon

Team Name : CyberFun

Team Leader Name : Akshar Vinaykumar Adgale

Problem Statement : Generative AI for Youth Mental Wellness

Product Summary (What's Live Now)

What MintAi does today:

A **mobile-first mental wellness** companion that uses **AI-driven widgets** to make mindfulness engaging and accessible for **Gen Z**.

Who it's for: **Students, professionals, and creators** seeking emotional balance through quick, fun, and positive daily interactions.

Main outcome for users:

- Turn every phone unlock into a moment of self-care.
- Interact with rotating widgets for Mood, Music, Photos, Quotes, and Chat — all optimized for mobile screens.
- Track, reflect, and improve emotional well-being in real time.

Currently live features:

- Mood tracking & journaling (Gemini-powered)
- MintChat (AI chatbot via Gemini)
- Mood-based playlists via YouTube Music
- Auto-captioned memories via Google Photos
- Meme + Quote widgets to uplift mood



 **Powered by:**
Google Gemini • Google Cloud
• YouTube APIs

Innovation, Impact & Alignment

Innovation:

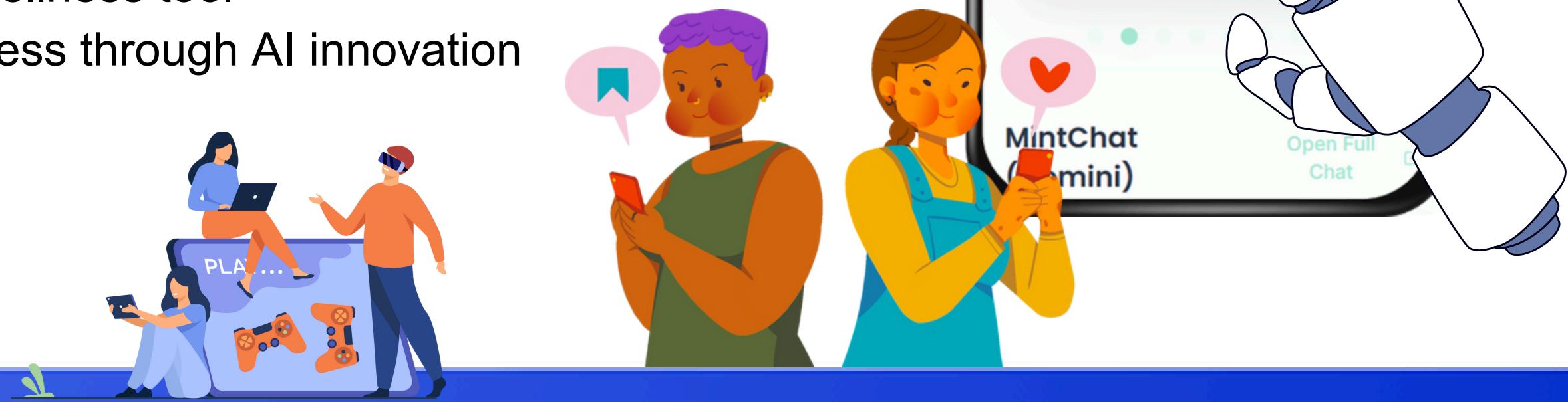
- **Widget-first design:** The app revolves around **dynamic, rotating widgets** tailored for mobile dashboards.
- Combines **multi-modal AI** (text, vision, and audio) in one PWA.
- Blends wellness and entertainment — unique among mental health apps.

Impact:

- Transforms the phone from a distraction tool into a wellness assistant.
- Encourages healthy digital engagement rather than doom-scrolling.
- Supports the Google “**AI for Good**” initiative for youth well-being.

Who benefits:

- **Gen Z users** → engaging, bite-sized self-care
- **Parents/Educators** → a safe digital wellness tool
- **Society** → awareness of mental wellness through AI innovation



Working Product & Demo

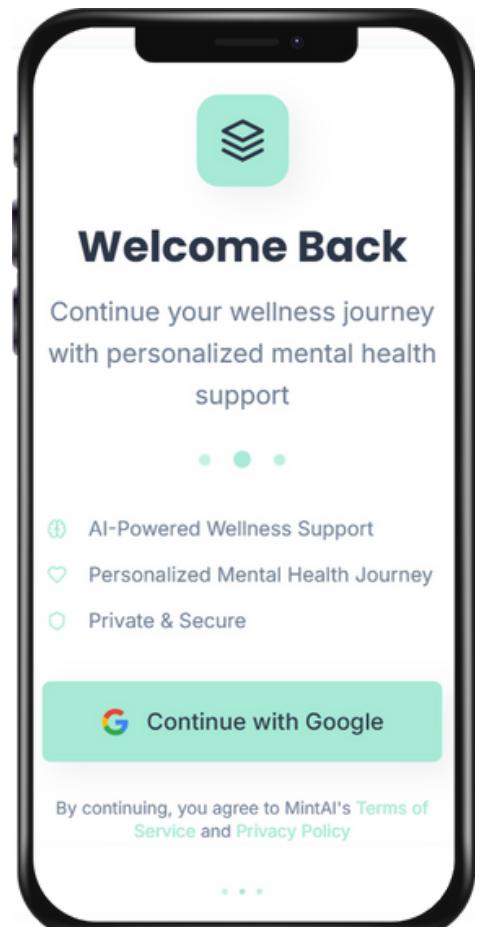
✓ End-to-end user journey (on mobile and web):

1. User logs in via **Google Auth** (Firebase)
2. Dashboard loads dynamic **AI-powered widgets**
3. **Gemini detects mood** & updates widget content instantly
4. **YouTube Music & Google Photos APIs** bring real-time media
5. Firebase syncs all actions for cross-device continuity

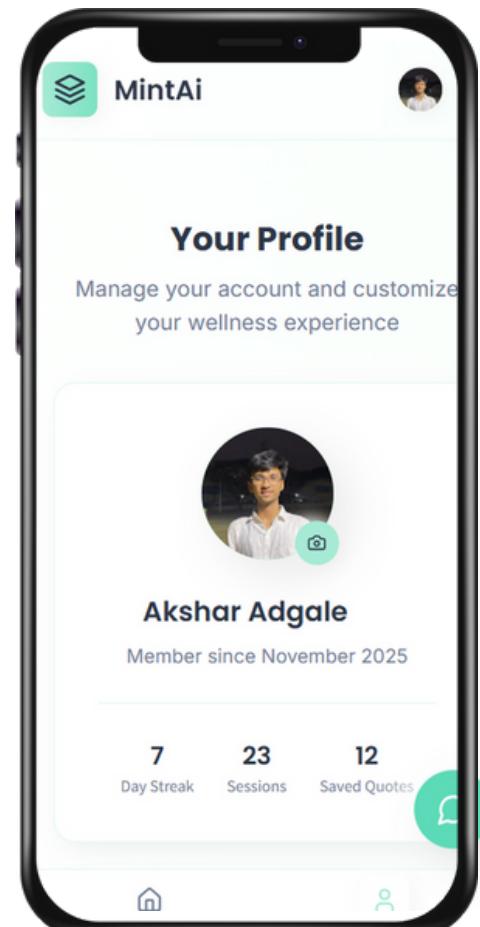
🎥 Demo Video Link: [MintAi Demo link](#)



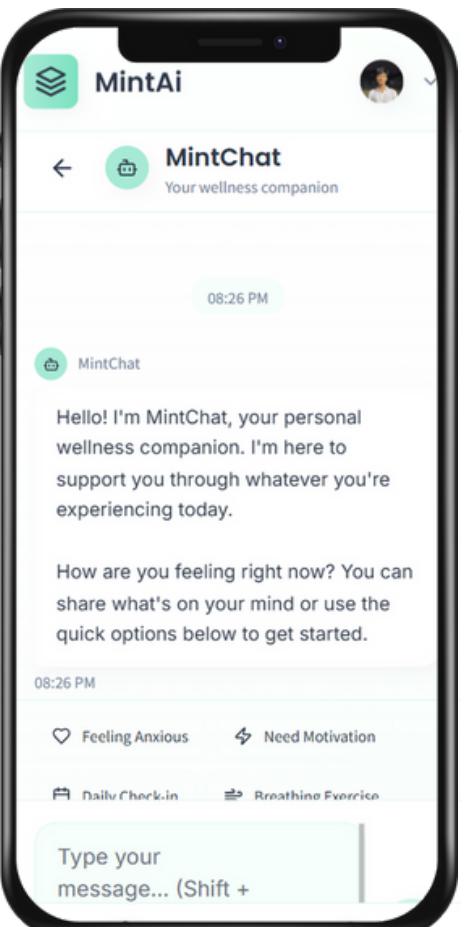
Laptop view



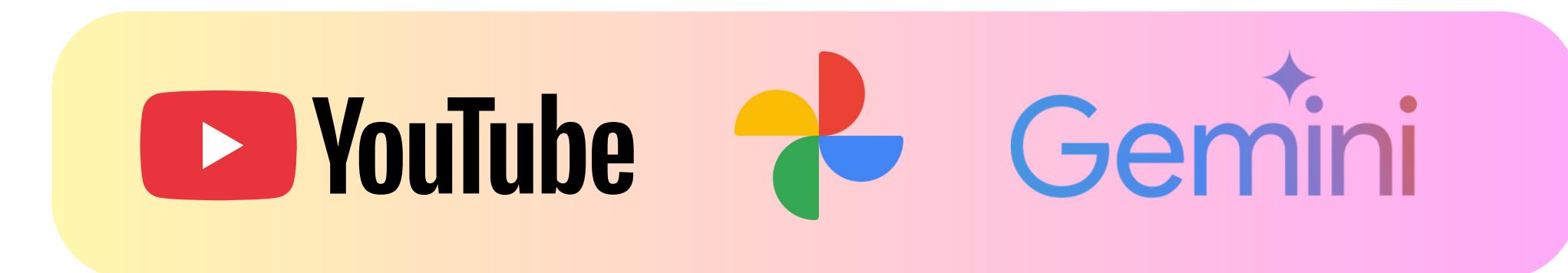
Login Page



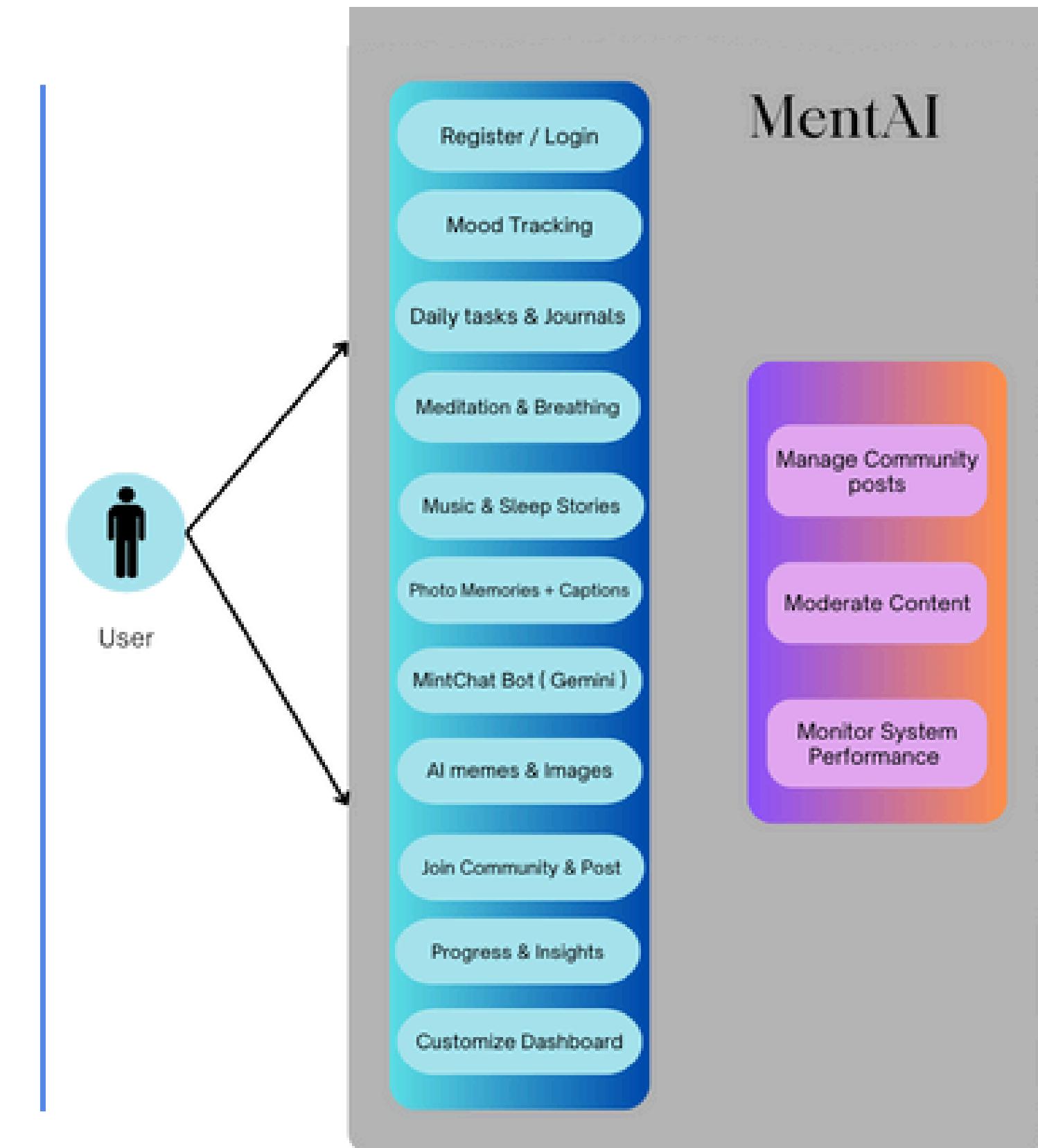
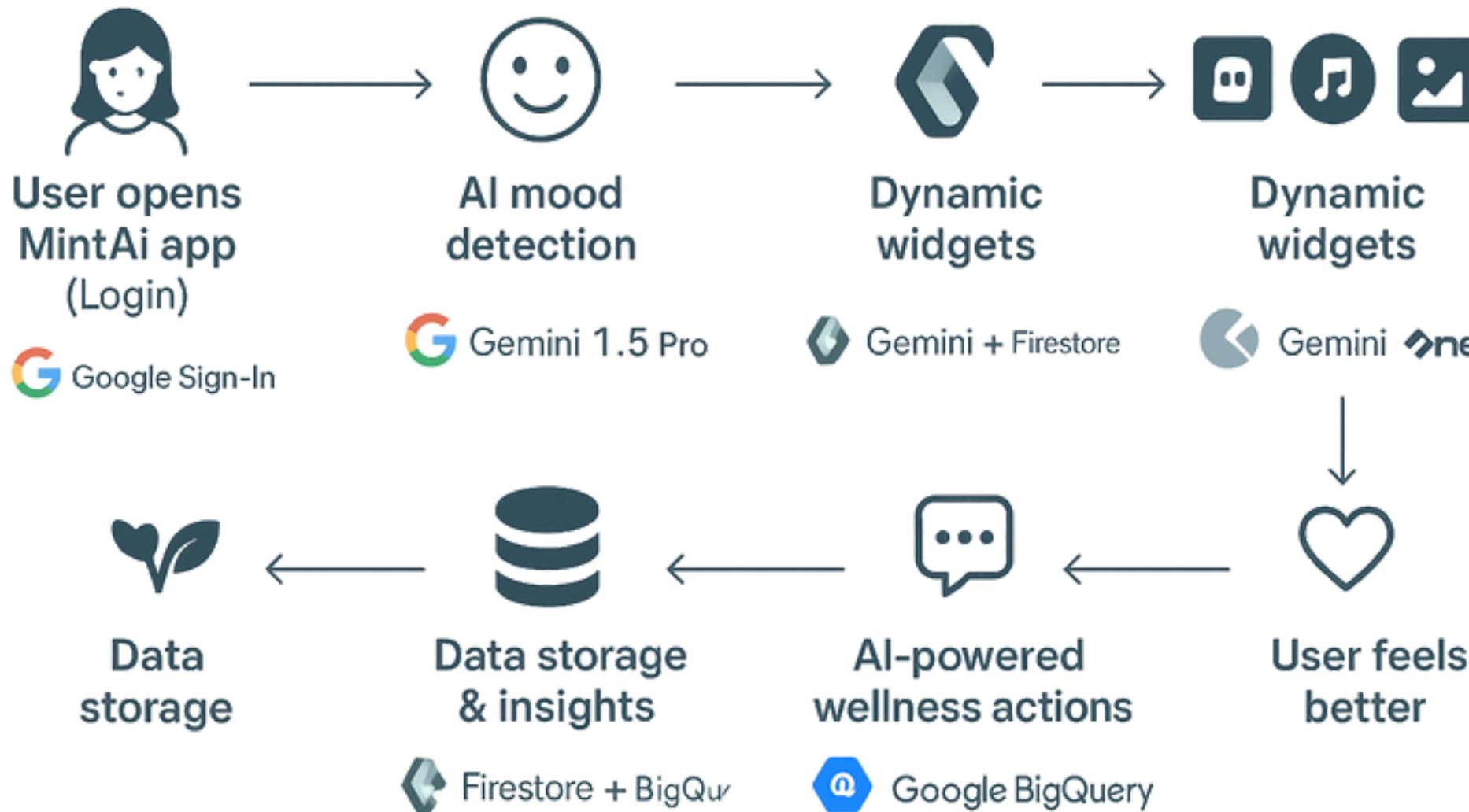
Profile page



MintChat

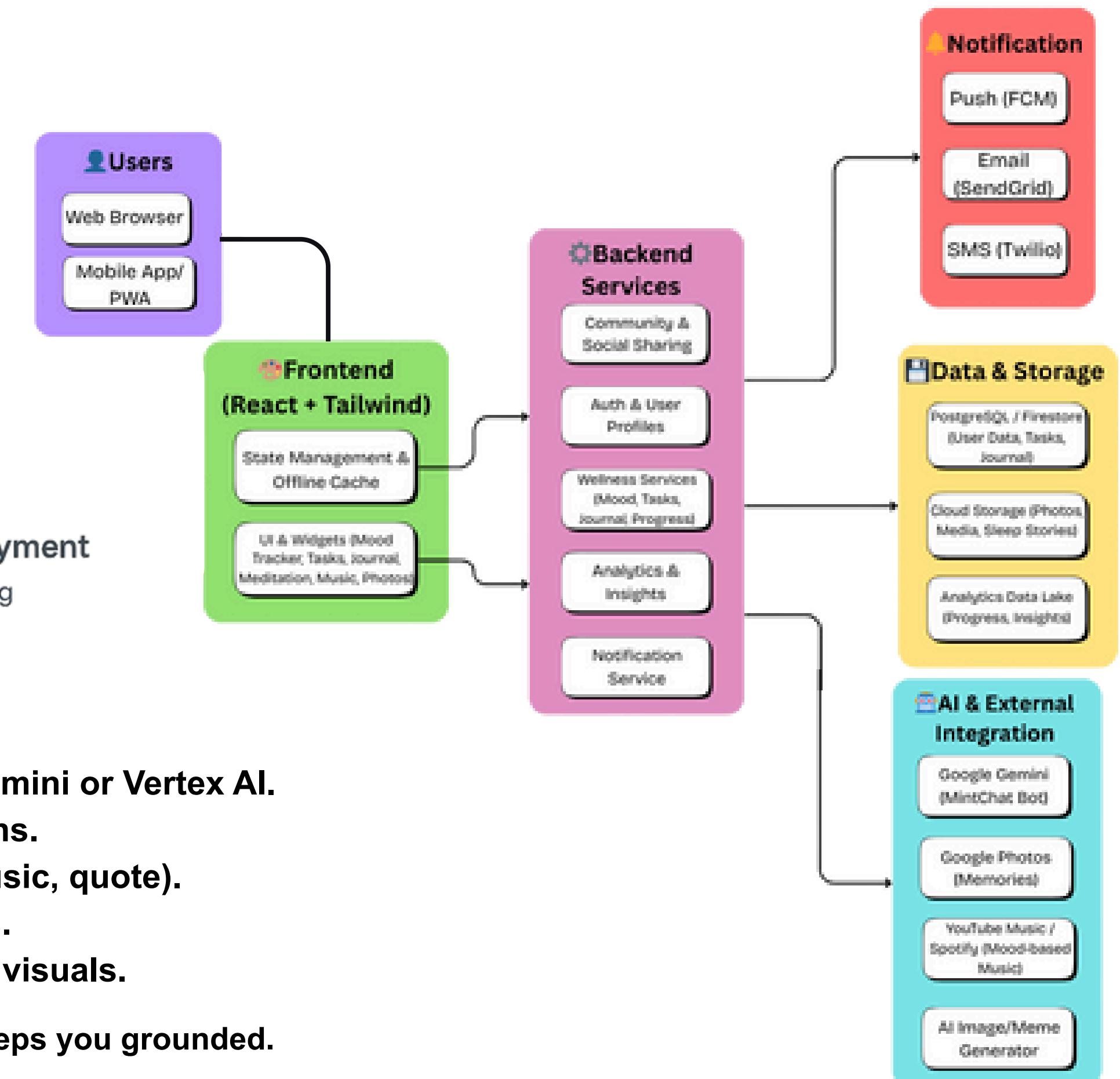
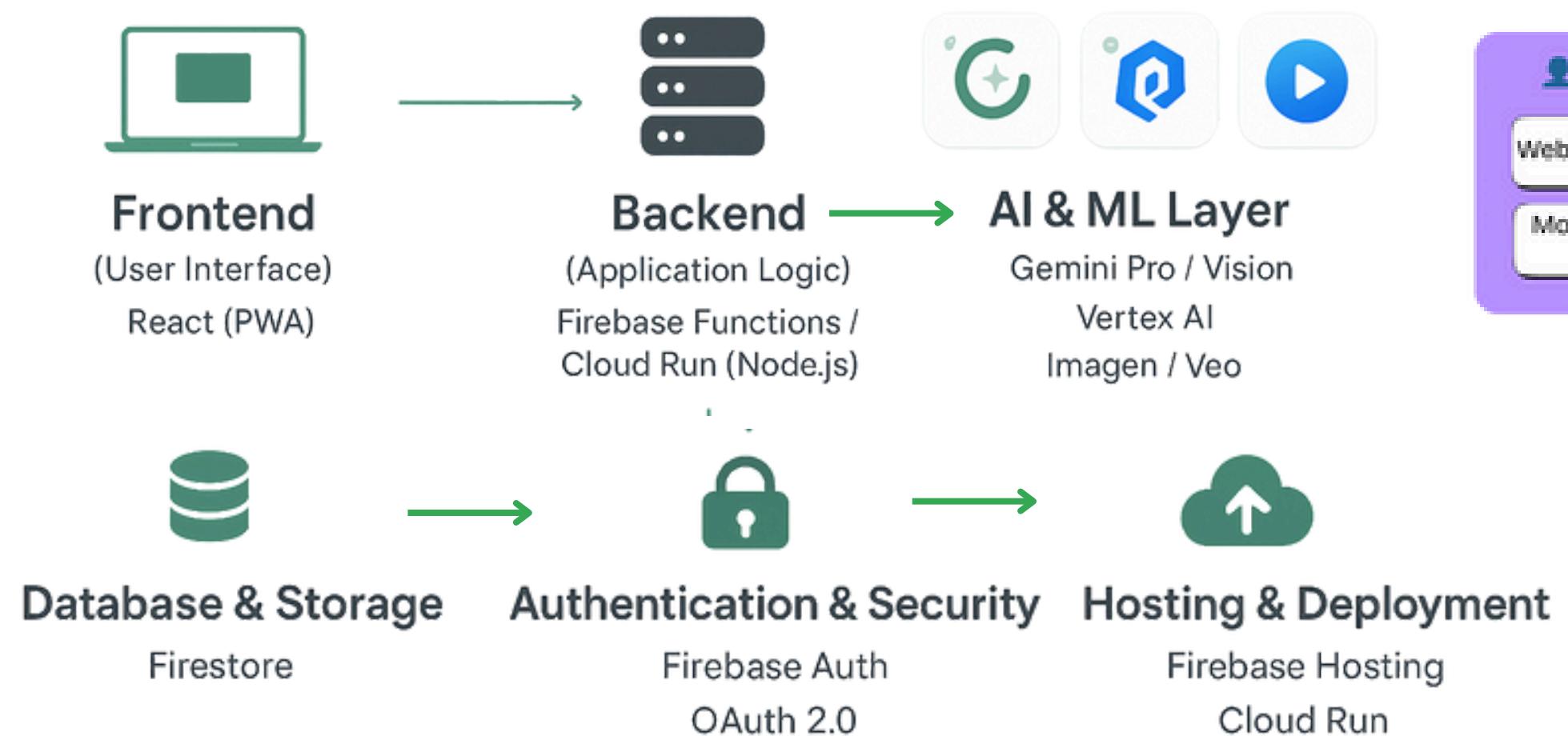


Process Flow (User Journey)



MintAI transforms daily phone interactions into mindful moments — powered by Google GenAI.

Architecture Diagram



Flow Summary

1. User logs in → Firebase Auth verifies identity.
2. Frontend sends mood/photo/chat → Backend routes to Gemini or Vertex AI.
3. Gemini analyzes mood → Returns sentiment or suggestions.
4. Widget updates → Based on AI response (e.g., memes, music, quote).
5. Data stored → Firestore + BigQuery save emotional trends.
6. Frontend refreshes → Shows updated insights, quotes, or visuals.

From Gemini's intelligence to your emotional balance — MintAi keeps you grounded.

Google AI Tools Usage (Where & Why)

Google Tool	Feature Powered	Why It's Used
Gemini 1.5 Pro (Text)	MintChat, mood detection, journaling	Emotion-aware responses, empathy
Gemini Vision	Auto-captioning user photos	Contextual understanding of images
Gemma (Edge AI)	Local mood detection (emoji inputs)	Fast, private mood sense
Vertex AI	Model orchestration + analytics	Central management of AI models
Vertex AI Imagen / Veo	Visual & video generation	AI art, soothing visuals for therapy
Firebase Auth + Firestore	Login, journaling, analytics	Secure data & real-time updates
BigQuery ML	Trend analysis	Insights into mood/stress patterns
YouTube Music API	Playlist generation	Personalized music therapy
Google Photos API	Photo memory widget	Sentimental reflection experience
Gemini Code Assist	Development acceleration	Built faster with AI-guided code



vertex.ai



Firebase



Google
Big Query



YouTube Music



Google Photos

Gemini Code Assist

Tech Stack

Layer	Technology / Tool	Purpose & Usage
Frontend (UI/UX)	React (PWA) / Tailwind CSS / Framer Motion	Builds a smooth, mobile-first experience with clean animations and fast navigation.
Backend (API Layer)	Google Cloud Run + Node.js (Express)	Hosts APIs and manages data exchange securely and scalably.
AI Layer	Gemini 1.5 Pro / Gemini Vision / Gemma	Provides NLP, emotion detection, and visual caption generation.
Creative AI Layer	Vertex AI (Imagen, Veo)	Generates AI-based visuals and short videos for emotional uplift.
Database & Storage	Firebase Firestore + Firebase Storage	Real-time data sync for mood journals, chat memory, and images.
Authentication	Firebase Auth (Google Sign-In)	Enables secure, single-tap login using Google credentials.
Analytics & Insights	BigQuery ML + Vertex AI	Tracks emotional trends, daily summaries, and usage analytics.
DevOps / Hosting	Firebase Hosting + Cloud Run	Ensures smooth, scalable deployment with minimal maintenance.
APIs Integrated	YouTube Music API / Meme API / ZenQuotes API	Adds music, humor, and motivational content dynamically.
Development Tools	Gemini Code Assist + GitHub	Accelerated AI-driven coding and version control.

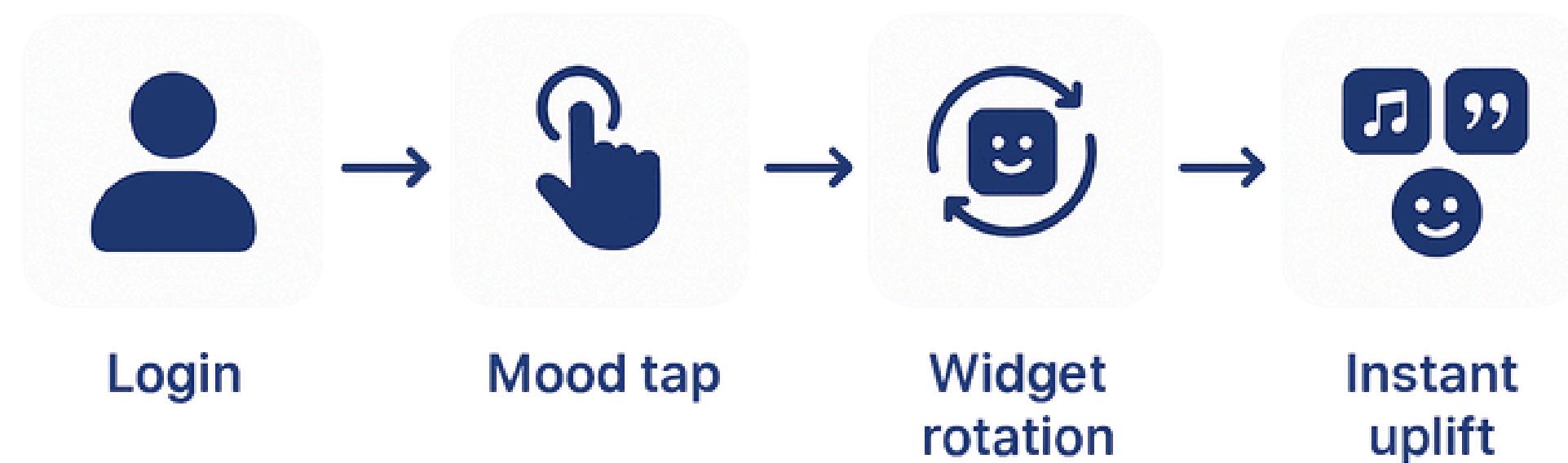
User Experience (UX)

Design Philosophy:

- **Mobile-first** layout with adaptive grid system.
- **Widget Dashboard**: Primary mode of interaction, rotating automatically to prevent user fatigue.
- **Minimal UI**: Glassmorphism + gradients for Gen Z appeal.
- Accessible fonts, ARIA tags, and color contrast for comfort.

First-Time User Journey (Mobile):

- Each session < 2 mins yet impactful.



- ● Optimized for both Chrome & Android PWA experience (via Firebase Hosting).





Market & Adoption Strategy

🎯 Target Market

- Primary Audience: Gen Z users (18–28 yrs) — students, young professionals, and creators.
- Geography: Urban India initially; scalable globally for English-speaking markets.
- Psychographics: Emotionally aware, tech-savvy, open to self-help through AI.

📈 Market Opportunity

- The global mental wellness market is projected to reach \$26 B+ by 2030.
- Rapid adoption of AI-powered wellness tools (Gemini, Chatbots, and Digital Journals).
- Increasing Gen Z awareness of mindfulness & burnout recovery.

🚀 Adoption Strategy

1. Campus & Community Launch: Partner with colleges, hackathons, and youth events.
2. Influencer Collaborations: Leverage micro-influencers promoting digital well-being.
3. Gamified Streaks: Reward daily mood check-ins and reflections to build retention.
4. Google Cloud Credits Program: Offer free AI-powered experiences to early adopters.
5. Social Sharing: Users can share positive quotes or AI-generated memes → organic reach

💡 Monetization Roadmap

- Free Tier: Basic widgets + AI chat (Gemini Lite).
- MintAi Plus: Personalized insights, deeper analytics, and visual therapy (Imagen/Veo).
- Partnerships: Integrations with wellness brands & campus well-being programs.

📊 Expected Impact

- 70 % daily engagement among early users.
- 3× increase in positive mood interactions vs. non-AI journaling apps.
- Scalable model through Firebase + Cloud Run infrastructure.



Gen AI Exchange Hackathon

Thank you