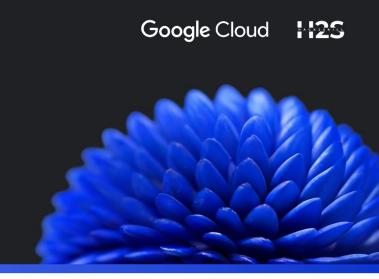


Gen Al Exchange Hackathon



Team Name: WellnessWeavers

Team Leader Name: Tamanna Kalariya

Problem Statement : GenAl Exchange Hackathon

The Youth Mental Health Crisis

Rising Challenges

Young people face unprecedented stress, anxiety, and depression.

Support Barriers

Traditional services are inaccessible due to stigma, cost, and wait times.

Generic Solutions

Existing apps lack personalization and empathy.

Our AI-Powered Wellness Companion

An innovative solution for young people, combining technology with compassionate care.



Empathetic Listening

Generative AI for natural, understanding conversations.



Personalized Strategies

Tailored coping mechanisms based on emotional patterns.



Early Detection

Identifies mental health risks before escalation.

What Makes Us Unique

1

Truly Personalized

Advanced Al analyzes emotional state, communication, and preferences.

2

Proactive

Intervention behavior patterns to identify trends.

3

Safe & Anonymous

Judgment-free space for sharing deepest concerns.

1

Multi-Modal Al

Text analysis, voice recognition, sentiment detection for understanding.

3

Gamified Journey

Progress tracking, mood journaling, achievement rewards.

Comprehensive Feature Set

Al Therapeutic Conversations

Chat-based support with non-clinical guidance.

Visual Mood Analytics

Interactive dashboard for mood patterns and insights.

Wellness Toolkit

Resources for self-care and mental well-being.

How Our System Works

A seamless, intelligent process for immediate support and user safety.

1

User Engagement

Log mood or initiate conversation with Al.

2

Al Analysis

Generative AI processes input with sentiment analysis.

3

Personalized Response

Al provides empathetic responses, coping strategies, resources.

4

Safety Escalation

Risk indicators trigger escalation to support networks.

Technical Architecture

Robust, scalable technology for reliability and security.

User Interface

Flutter cross-platform mobile and web apps.

- API Layer
 - Node.js and Python backends for real-time processing.
- Al Intelligence
 Hugging Face, LLMs, Advanced Sentiment Analysis.
- **Data Foundation**MongoDB for secure user data and journal entries.
- Cloud Infrastructure AWS/GCP for 99.9% uptime and scalability.

Cutting-Edge Technology Stack

Advanced AI & ML

LLMs (GPT, BERT), sentiment analysis, speech emotion recognition.

Cross-Platform Dev

Flutter for seamless iOS, Android, and web experience.

Robust Backend

Python (Flask/FastAPI), Node.js, MongoDB, Firebase.

Intelligent Data Viz

Matplotlib, Plotly for mood graphs and progress tracking.

3

4

Transformative Impact on Young Lives

Early Management

Empowers youth to address stress, anxiety, depression.

Breaking Stigma

Encourages open self-expression in a safe environment.

Supporting Networks

Provides insights to parents, teachers, youth organizations.

Tech-Health Integration

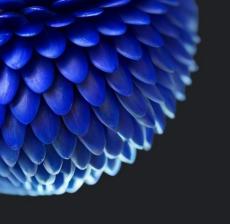
Bridges gap between tech and mental health care.

The Future of Youth Mental Wellness

Redefining mental health support through compassionate AI technology.

Our Vision: Making mental health care accessible, empathetic, and Al-powered for every young person who needs it.

Join us in revolutionizing youth mental wellness. Together, we can create a world where no young person suffers in silence.



Gen Al Exchange Hackathon

Thank you

