Aeris AI

"An agentic AI that tells you what to do in India's harsh weather, from pollution to heat, so you stay healthy and safe."

(A) Solution Approach

What Is Aeris AI?

★ Imagine an AI that cares for your health like a personal guide – warning you about the poor air quality, reminding you to wear a mask or suggesting how to stay safe during the heat waves.

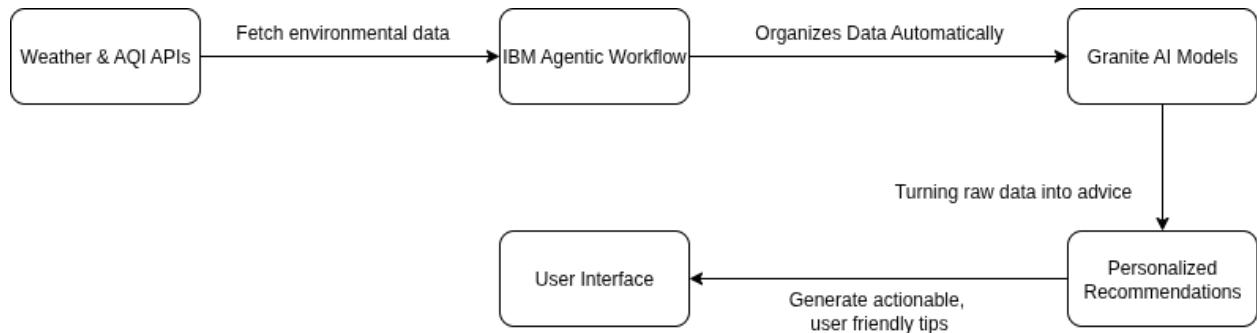**That's Aeris AI:** a smart, action oriented assistant built for India's toughest weather conditions.

Problem & Inspiration

❖ India suffers from extreme weather and pollution affecting millions.
❖ Many people struggle to stay safe during heat waves, bad air quality and monsoon floods.
❖ We wanted to create an AI agent that gives real-time, actionable recommendations.

Key Features

❖ Personalized recommendations – actions like masks, hydration
❖ Action-oriented guidance – tells users exactly what to do
❖ Location-based notifications – alerts for nearby hazards
❖ Predictive insights – forecasts to prepare in advance
❖ User-friendly interface – simple web/mobile design
❖ Health-centric – prioritizes children, elderly, and at-risk groups

How Aeris AI Works

- ❖ Aeris AI fetches real-time weather and AQI data from public APIs, processes it using IBM ADK and Granite AI models, and delivers clear, actionable recommendations via a simple web or mobile interface.

(B) Tools, Libraries, and Datasets

Built with

- ❖ IBM Agent Development Kit (ADK)
- ❖ Granite AI models
- ❖ Public weather & AQI APIs
- ❖ Python / JavaScript (Data handling)

(C) Expected Outcome

Impact

- ❖ It will help people living in Indian cities with high pollution or extreme weather.
- ❖ Helps users to make safer daily choices, reducing health risks from heat waves and floods.
- ❖ It could be especially useful for children, elderly, or people with respiratory issues.

Future of Aeris AI

- ❖ In the future, Aeris AI could expand beyond real-time weather advice to include flood warnings, wearable and smart-home integration for automatic safety measures, voice assistant support, and community-level alerts for schools, offices, and public areas.
- ❖ Ultimately, it aims to become a comprehensive digital guardian for health and safety.