

Agentic AI Hackathon: Building Intelligent Agents with IBM Granite and Lang Flow

Problem Statement 9: AI-Based Preventive Health Risk Assessment System

The Challenge

Preventive healthcare relies on early identification of lifestyle-related health risks. However, patient lifestyle data such as physical activity, sleep patterns, diet logs, and stress indicators are often underutilized. Manual analysis of such data is not scalable. An intelligent assistive system is needed to analyze lifestyle data and highlight potential preventive health risks.

Lifestyle Data Analysis Agent

An agent that processes physical activity, sleep, diet, and stress-related data into health summaries.

Preventive Risk Detection Agent

An agent that identifies risk patterns associated with lifestyle behaviors using guideline-based references.

Health Advisory Assistant

An agent that provides preventive health insights and lifestyle improvement suggestions (*assistive only*).

Outcome

Supports preventive healthcare awareness and promotes healthier lifestyle choices.

Mandatory Tech Stack

Lang Flow using the IBM Granite Model
(Using RAG on preventive healthcare guidelines and wellness frameworks).