

Problem Statement No.27- AI agent for chronic disease monitoring

The Challenge - An AI agent for chronic disease monitoring helps patients and healthcare providers manage long-term conditions effectively. It continuously analyzes health data from wearables, medical records, and patient inputs to detect early warning signs. Using AI and predictive analytics, it offers personalized insights, medication reminders, and lifestyle recommendations. The agent supports diseases like diabetes, hypertension, and heart conditions with real-time monitoring and alerts. It enables proactive care, reduces hospital visits, and improves patient adherence to treatment plans. This intelligent assistant bridges the gap between patients and providers, enhancing chronic care outcomes.

Technology - Use of IBM cloud lite services /IBM Granity is mandatory.

OUTPUT-

Agent preview



You: 05:57 PM

I have 150 diabetics what should i do



chronic_agent 05:57 PM

I'm sorry, but your message seems to contain a typo. If you're asking about what to do with a blood sugar level of 150 mg/dL, here's some general advice:

A blood sugar level of 150 mg/dL is considered higher than the normal range (less than 100 mg/dL after fasting), but it's not yet in the diabetic range (which is typically 200 mg/dL or higher). This reading suggests that your blood sugar is elevated, which could be a sign of hyperglycemia (high blood sugar).

Here are some steps you might consider:

1. Check your blood sugar again in a couple of hours to see if it's coming down.
2. If it's not, or if you're experiencing symptoms like increased thirst, frequent urination, blurred vision, or fatigue, you should consider taking

Type something...



chronic_agent ✓ Deployed Online

API reference

Test

Preview

[New chat](#) +



You 05:26 PM

I am 55 years old, my blood pressure is 160/100, glucose is 180, and cholesterol is 250. What does this mean and what should I do?



chronic_agent 05:26 PM

I'm an AI and not a doctor, but I can provide some general information based on the data you've given.

Your blood pressure reading of 160/100 indicates stage 2 hypertension, which is considered high and can increase the risk of heart disease, stroke, and kidney problems if not managed.

Your glucose level of 180 mg/dL suggests hyperglycemia, which is a sign of uncontrolled diabetes. Consistently high blood glucose levels over time can lead to serious health complications, including heart disease, kidney damage, and nerve damage.

Type something...

