import streamlit as st

import pandas as pd

from shared\_model import chatbot

def main():

st.title("📊 Health Analytics + AI Insights")

st.write("📈 View health data trends and ask questions to your AI assistant.")

if chatbot is None or not callable(chatbot):

st.error("❌ AI model not available or not callable.")

st.stop()

data = {

"Date": pd.date\_range(start="2025-06-01", periods=7),

"Heart Rate": [78, 80, 76, 85, 79, 77, 81],

"Blood Pressure": [120, 122, 121, 119, 123, 124, 120],

"Blood Sugar": [95, 98, 105, 110, 102, 97, 100]

}

df = pd.DataFrame(data).set\_index("Date")

st.subheader("❤ Heart Rate")

st.line\_chart(df["Heart Rate"])

st.subheader("💉 Blood Pressure")

st.line\_chart(df["Blood Pressure"])

st.subheader("🍬 Blood Sugar")

st.line\_chart(df["Blood Sugar"])

st.markdown("---")

st.subheader("🤖 Ask AI about your health data")

query = st.text\_input("Ask a question:", placeholder="e.g. Is my BP trend normal?")

if st.button("Ask AI"):

if not query.strip():

st.warning("⚠ Please enter a question.")

return

prompt = f"User: Based on my health data, {query}\nAI:"

with st.spinner("🔍 Analyzing..."):

try:

result = chatbot(prompt, max\_new\_tokens=120)

response = result[0]['generated\_text'].strip() if result else "⚠ Couldn't generate a response."

except Exception as e:

response = f"❌ Error: {str(e)}"

st.success(f"🧠 AI Insight: {response}")