**3. AI-Powered Virtual Health Assistant**

**Problem Statement:**

Patients often have difficulty accessing accurate and timely medical information. Create a web application that acts as a Virtual Health Assistant, where users can input symptoms, and the system fetches medical advice, possible diagnoses, and recommended treatments using the Infermedica API.

**Expected Features:**

Symptom Input: Users can input symptoms through a user-friendly form (text or dropdown options).

AI Diagnosis: Use the Infermedica API to analyze symptoms and predict possible medical conditions.

Recommended Actions: Based on the diagnosis, the system suggests potential next steps, such as consulting a specialist, self-care tips, or seeing a doctor urgently.

Personalized Health History: Users can save and track their symptoms, allowing for better long-term health monitoring.

Health Tips: Provide tips and advice based on the condition diagnosed by the system.

Authentication and Authorization from user to user

**Frontend:** An interactive web interface where users can enter symptoms and receive suggestions.

**Backend:** Integration with the Infermedica API for symptom analysis and diagnosis predictions. Store user data (symptoms, history, recommendations) in the database for easy retrieval.

**Advanced Feature:**

Implement a chat-based interface powered by NLP models to allow for real-time communication with the system.