Major Project   (Team 18- AIML)

Health Chatbot for Home Remedies and Personalized Schedule

Problem Statement:

Users face challenges in accessing reliable, personalized solutions for minor health issues like colds or fatigue. Existing systems fail to combine home remedies, personalized schedules, and real-time notifications, creating a gap in accessible healthcare support for daily needs.

Data for Training:

Kaggle Home Remedies Dataset provides structured data on ailments, remedies, and ingredients, which can be used to define intents and extract entities. Unstructured data from **articles and documents** on home remedies can supplement training by providing diverse user queries and enriching the chatbot's ability to extract relevant entities

Features:

1. **Home Remedies**: Suggests remedies based on a trained data of symptoms and treatments.
2. **Health Schedules**: Generates tailored schedules (e.g., yoga, jogging) using GPT-based models.
3. **Real-Time Notifications**: Sends reminders via SMS or email using services like **SendGrid** or **Sendinblue**.

Technology Stack:

1. **Frontend**: React for an interactive user interface.
2. **Backend**: Flask to manage API communication and chatbot logic.
3. **Chatbot Engine**: RASA for intent recognition and dialogue management.
4. **Database**: MySQL for storing user data and schedules.
5. **External APIs**:
   o GPT for generating personalized schedules.
   o SendGrid/Sendinblue for notifications.

Expected Outcomes:

1. A functional chatbot capable of handling health-related queries using home remedies
2. Personalized health schedules that improve user adherence to healthy routines.
3. Timely notifications for tasks, enhancing user engagement.
4. Improved accessibility to health advice, reducing dependency on doctors for minor ailments.