**FitBuddy AI**

**Fitness Buddy** is a smart AI assistant built using **IBM Watsonx** that helps users stay healthy by providing personalized responses for fitness, meals, and health queries. It integrates multiple **search tools** for reliable and diverse results.

**🛠️ Tools & Technologies Used:**

* **IBM Watsonx Assistant**
* **Python**
* **HTML/CSS (if used for frontend)**
* **Google Search API**
* **DuckDuckGo Search API**
* **Wikipedia API**
* **WebCrawler Results**
* **Weather API (for local weather data)**

**🔍 Features:**

* Voice or text-based **user interaction** for fitness help.
* Integrates **multiple search engines**:
  + 🔎 Google Search
  + 🦆 DuckDuckGo
  + 📚 Wikipedia
  + 🌐 WebCrawler
  + 🌦️ Weather updates
* Personalized **meal plans**, **workout suggestions**, and **daily tips**.

**📄 How it Works:**

1. **User enters a query** (e.g., "Give me healthy meals").
2. The **Watsonx assistant** interprets the query.
3. It fetches **search results** using:
   * Google for general data
   * DuckDuckGo for privacy-based info
   * Wikipedia for knowledge-based answers
   * Weather API for current health recommendations
4. Results are shown or spoken back to the user in a simple format.

**🧪 Sample Prompts Tested:**

* "Suggest 5 healthy meals for my day"
* "What is BMI and how to calculate?"
* "What should I eat after gym?"
* "Today’s weather in Mumbai?"

**🧠 AI Capabilities:**

* Natural Language Understanding via **Watsonx Assistant**
* Decision making based on **custom prompts**
* Context awareness