# **Weather Dashboard**

A visually appealing, interactive weather application built with React, offering real-time weather data and a 5-day forecast for any city. Users can search for cities, view detailed weather information, and manage their favorite locations. This application utilizes the OpenWeatherMap API and a JSON server for storing user preferences.

## **Features**

* **Real-Time Weather**: Displays the current weather for a default city (Kolkata) upon opening.
* **5-Day Forecast**: Detailed forecast displayed in card style, showing essential weather information.
* **City Search**: Allows users to search for any city worldwide to get the current weather and forecast.
* **Favorite Cities Management**:
  + Add any city to a list of favorites.
  + View weather data for favorite cities.
  + Remove cities from the favorites list if desired.
* **Detailed View for Favorites**: Clicking on a favorite city displays detailed weather information for that location on a new page.
* **Celsius/Fahrenheit Toggle**: Users can switch between Celsius and Fahrenheit for temperature display.

## **Technology Stack**

* **React**: For building the user interface.
* **OpenWeatherMap API**: To fetch real-time weather and forecast data.
* **JSON Server**: For storing, retrieving, and managing favorite cities.
* **CSS**: To create an appealing and user-friendly interface.

### **Usage**

* **Default Location**: On load, the application shows the current weather and a 5-day forecast for Kolkata.
* **Searching for Cities**: Use the search bar to find weather details for any city.
* **Adding to Favorites**: Click the "Add to Favorite" button to save the city. The favorite cities are stored in the JSON server.
* **Viewing Favorites**: Access the favorite cities list to view weather details for each.
* **Removing from Favorites**: Delete any city from your favorites if you no longer wish to keep it.
* **Toggle Temperature Units**: Switch between Celsius and Fahrenheit for temperature display.