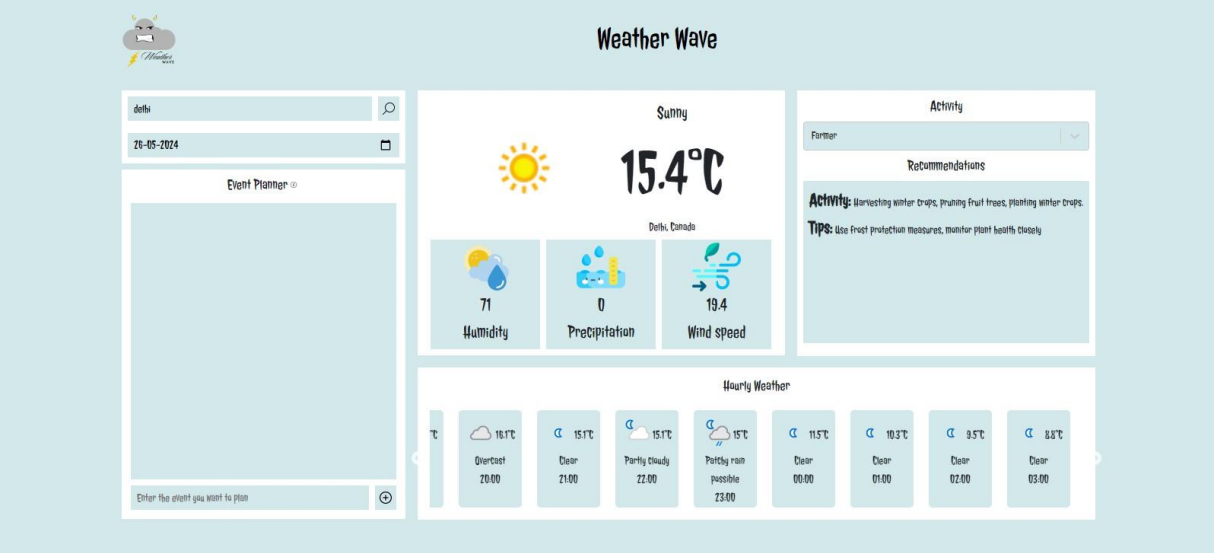
Main Dashboard Layout



Source code: https://github.com/adhyasbhat/weather-app-react

Deployed link : Weather wave (weather-app-react-rspj.vercel.app)

The main dashboard is designed to provide users with comprehensive weather information in a user-friendly interface. The layout is divided into four main sections:

1. 7-Day Forecast Section
2. Hourly Forecast Section
3. Current Weather Section
4. Recommendations Section

1. 7-Day Forecast Section

- Purpose: Provide an overview of the weather for the next 7 days.
- Layout:
  - Grid Layout: Displayed as a horizontal scrollable grid or a vertical list.
  - Each Day Card:
    - Date: Display the date (e.g., "2024-05-27").
    - Temperature: Show the high and low temperatures (e.g., "High: 30°C, Low: 20°C").
    - Humidity: Display the expected humidity (e.g., "Humidity: 60%").
    - Precipitation: Show the chance of precipitation (e.g., "Precipitation: 20%").
    - Wind Speed: Display the wind speed (e.g., "Wind: 15 km/h").

- Interactivity: Each day card is clickable to select a day for a detailed hourly forecast.

- Design Elements:

  - Icons for weather conditions (e.g., sunny, rainy).

  - Color coding to indicate temperature ranges (e.g., blue for cold, red for hot).

2. Hourly Forecast Section

- Purpose: Provide detailed hourly weather data for the selected day.

- Layout:

  - Timeline Layout: Displayed as a horizontal scrollable timeline.

  - Each Hour Card:

    - Time: Display the time (e.g., "10:00 (in 24 hours)").

    - Temperature: Show the temperature for the hour (e.g., "22°C").

    - Condition: Indicate the weather condition with an icon and text (e.g., "Sunny").

- Design Elements:

  - Icons representing different weather conditions.

  - Clear separation between hours to improve readability.

3. Current Weather Section

- Purpose: Provide the current weather conditions.

- Layout:

  - Current Weather Info:

    - City Name: Display the city name (e.g., "Bengaluru").

    - Temperature: Show the current temperature (e.g., "25°C").

    - Weather Condition: Display the current weather condition with an icon (e.g., "Partly Cloudy").

    - Humidity: Display the current humidity (e.g., "Humidity: 55%").

    - Wind Speed: Show the current wind speed (e.g., "Wind: 10 km/h").

    - Date and Time: Show the current date and time (e.g., "Mon, 27 May, 10:00 AM").

- Design Elements:

  - Prominent placement at the top of the dashboard for easy visibility.

  - Use of large fonts and icons to highlight current weather conditions.

4. Recommendations Section

- Purpose: Provide useful recommendations for farmers and travelers based on the weather forecast.

- Layout:

  - Recommendation Cards:

    - Activity: Describe the activity (e.g., "Watering Plants", "Travel").

    - Tips: Provide practical tips related to the activity (e.g., "Water plants in the early morning to reduce evaporation", "Carry an umbrella due to the chance of rain").

  - Categories: Separate recommendations for different user groups (e.g., "For Farmers", "For Travelers").

- Design Elements*:

  - Use of icons or illustrations to visually represent the recommendations.

  - Color coding or categorization for different types of recommendations.

Detailed Description of Each Section

7-Day Forecast Section

- Header: "7-Day Weather Forecast"

- Navigation: Left and right arrows for scrolling through days.

- Day Card Details:

  - Top Section:

    - Date: Bold and prominent at the top.

    - Weather Icon: Large icon showing the main weather condition.

  - Middle Section:

    - Temperature: High and low temperatures in large font.

    - Humidity: Displayed with a droplet icon.

    - Precipitation: Displayed with a raindrop icon.

    - Wind Speed: Displayed with a wind icon.

  - Bottom Section:

    - Clickable Area: The whole card acts as a button to select the day.

Hourly Forecast Section

- Header: "Hourly Forecast for [Selected Day]"
- Timeline Navigation: Horizontal scroll bar with smooth scrolling.
- Hour Card Details:
  - Time: Centered at the top.
  - Weather Icon: Below the time, indicating the weather condition.
  - Temperature: Below the icon, in a bold font.
  - Condition: Text below the temperature, describing the condition (e.g., "Cloudy").

Current Weather Section

- Header: "Current Weather"
- Content Layout:
  - Top Section:
    - City Name: Large, bold font at the top.
    - Current Temperature: Prominent in the center.
    - Weather Icon: Large icon beside the temperature.
  - Bottom Section:
    - Humidity: Displayed with a droplet icon and percentage.
    - Wind Speed: Displayed with a wind icon and speed.
    - Date and Time: Displayed at the bottom.

Recommendations Section

- Header: "Recommendations"
- Content Layout:
  - Tabs or Filters: Optional tabs for filtering recommendations (e.g., "Farmers", "Travelers").
  - Recommendation Card Details:
    - Top Section:
      - Activity Icon: Visual representation of the activity.
      - Activity Name: Bold text beside the icon.

- Middle Section:
  - Tip: Detailed tip or advice related to the activity.
- Bottom Section:
  - Additional Info: Optional link or button for more information.

Summary

The Weather Dashboard is designed to be intuitive and user-friendly, providing essential weather information at a glance while offering detailed insights and recommendations tailored to different user needs. The layout ensures that users can quickly access the information they need and interact with the dashboard seamlessly.