Training Day-22 report

17 July, 2025

Today, I began working on a **basic weather application**, focusing primarily on **frontend development** and **API integration**. The project emphasizes user interface design, external data fetching, and overall responsiveness.

Work Undertaken:

1. **User Interface Development:**
   • Designed a visually engaging **frontend layout** for the weather app through **trial-and-error iterations**.
   • Focused on layout structuring, styling, and responsiveness across screen sizes.
   • Sourced appropriate **images, icons, and GIFs** to visually represent different weather conditions.

2. **API Integration:**
   • Integrated an **external weather API** to fetch and display weather data based on user input.
   • Successfully displayed dynamic results such as temperature, conditions, and location data.

3. **Identified-Issue:**
   • Discovered a bug with the **search input field**:
     – The search works correctly on the **Home Page**,
     – However, it **fails to function properly** on the weather results page.
     – This will be the focus of debugging and resolution in the next session.

Key Learnings:
• Improved UI design practices through hands-on trial, enhancing visual presentation and layout.control.
• Strengthened understanding of **API-based data fetching** and integrating real-time external data into the frontend.
• Identified the importance of consistent **component behavior across routes**, especially for user input.

Conclusion:
The foundation of the weather application is now complete, with a functional interface and working API. The next goal is to resolve the search field bug and further polish the user experience.

Ravjot Singh   CRN-2315191   URN-2302646