**React Learning Journal - Day 14**

Date: [13th Feb 2024]

1. Advanced React Patterns:

- Explored advanced React patterns to enhance component composition and reusability.

- Covered render props, compound components, and prop drilling alternatives for more sophisticated component architectures.

2. Redux Fundamentals:

- Started learning Redux for state management in larger React applications.

- Understood the core concepts of actions, reducers, and the store in the Redux pattern.

3. Redux Thunk for Async Actions:

- Dived into asynchronous actions in Redux using Redux Thunk middleware.

- Implemented asynchronous operations like API calls and side effects in Redux actions.

4. React Performance Optimization:

- Explored techniques for optimizing the performance of React applications.

- Covered topics like memoization, PureComponent, and React.memo for efficient rendering and preventing unnecessary re-renders.

5. React DevTools:

- Learned how to leverage React DevTools for debugging and profiling React applications.

- Explored features like inspecting component hierarchies, analyzing performance, and tracking state changes.