Training Day 17

Day 17 - 11ᵗʰ July 2025

Topics Covered: Context API, Dynamic Routing, Backend Introduction

1. Context API (Revision & Implementation)

- Practiced applying Context API in real scenarios.
- Shared state between multiple components without prop drilling.
- Used useContext() hook and Provider.

2. Dynamic Routing in React

- Learned how to create **parameterized routes** using react-router-dom.
- For example:

```
<Route path="/product/:id" element={<ProductDetails />} />
```

- Fetched dynamic data using useParams() from URL.

3. Backend Introduction

- Brief overview of **backend basics**:
  - Role of a backend server
  - APIs (RESTful), Database communication
  - Tools like Node.js and Express.js were mentioned
- Understood how frontend connects to backend via API calls (GET, POST, etc.)

Task for Tomorrow:

- Practice creating and handling dynamic routes with dummy components.
- Read about **REST APIs** and HTTP methods.
- Introduction to using fetch() or axios for API calls.