

## **ONE MONTH TRAINING AT HB INFOTECH WEEK5**

### **Day 21 — API Testing with Postman (GET, POST, PUT, DELETE)**

- Installed and explored Postman to test all backend API routes in detail.
- Created a full Postman collection for user/event APIs to keep all endpoints organized.
- Sent GET requests to verify JSON responses from the server.
- Used POST requests with JSON bodies to add new users to MongoDB.
- Tested PUT requests to update existing records and DELETE requests to remove records.
- Checked error handling by intentionally sending incomplete or invalid inputs.
- Observed real-time data changes in MongoDB Compass after every API request.

### **DAY 22 — React Integration with Backend APIs**

- Connected the React frontend with the backend using fetch or axios.
- Created React services to handle API calls (login, register, CRUD actions).
- Sent JWT token from React to backend using headers for authentication.
- Displayed backend data (such as user lists or event lists) in the React UI.
- Integrated forms (login, register, create item) with backend using controlled components.
- Verified API calls through the browser and confirmed data updates in MongoDB Compass.