

Day 17 – July 6, 2025

Topic: Advanced React – Routing & Lazy Loading

Introduction

Today I learned how to create multi-page React apps with routing and performance optimizations.

Techniques

- Used `react-router-dom` for page navigation.
- Implemented lazy loading to reduce bundle size.

Example

```
const Blog = React.lazy(() => import('./Blog'));  
<Routes><Route path="/blog" element={<Blog />}  
/></Routes>
```

Challenges Faced

- Route protection and dynamic routing.

Key Learnings

- Routing simplifies multi-page apps.
- Lazy loading improves app performance.

Conclusion / Reflection

Multi-page apps are smoother now. I'll practice nested and dynamic routes.