

Day 14 – July 3, 2025

Topic: Advanced MongoDB – Aggregation & Indexing

Introduction

Today I optimized database queries using advanced MongoDB features.

Aggregation

- Combining multiple operations: filter, group, sort.

Indexing

- Speeds up queries for large datasets.

Challenges Faced

- Understanding pipeline stages for aggregation.

Key Learnings

- Optimized queries improve performance.
- MongoDB supports flexible, complex operations.

Conclusion / Reflection

Database optimization is crucial for production apps. I'll practice more with large datasets.