

MERN Stack Training

Company: Sensation Software Solutions

Student Name: Gurvinder Singh

Training Duration: 6 Months

Days: 44

Objective of the Day

The objective of Day 44 was to integrate **MongoDB with Node.js and Express** and understand how backend APIs interact with the database.

Work Done on Day 44

The trainer explained how backend servers connect to databases using **MongoDB drivers and Mongoose**.

Introduction to Mongoose

Mongoose was introduced as an **ODM (Object Data Modeling) library** that provides:

- Schema definition
- Data validation
- Easy database interaction

The benefits of using Mongoose over raw MongoDB queries were explained.

Database Connection

We learned how to:

- Connect MongoDB with Node.js
 - Handle connection success and errors
 - Organize database configuration files
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Hands-on Practice

We practiced:

- Creating schemas and models
 - Connecting backend server with MongoDB
 - Testing database connectivity
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Conclusion

Day 44 connected **database concepts with backend logic**, making the MERN stack more complete.