

## **MERN Stack Training**

**Company:** Sensation Software Solutions

**Student Name:** Gurvinder Singh

**Training Duration:** 6 Months

**Days:** 44

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## **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.

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## **Work Done on Day 44**

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

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## **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.

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## **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.