

MERN Stack Training

Company: Sensation Software Solutions

Student Name: Gurvinder Singh

Training Duration: 6 Months

Days: 48

Objective of the Day

The objective of Day 48 was to understand **middleware-based authentication**, protected routes, and role-based access.

Work Done on Day 48

The trainer explained how middleware is used to **protect backend routes** and prevent unauthorized access.

Protected Routes

Topics discussed:

- Verifying JWT in middleware
- Allowing access only to authenticated users
- Sending proper error responses

The importance of clean error handling was emphasized.

Role-Based Authorization

The trainer explained how different user roles (admin, user) can have different permissions.

This helps in building scalable applications with controlled access.

Hands-on Practice

We practiced:

- Creating authentication middleware

- Protecting API routes
 - Testing authorization logic
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Conclusion

Day 48 improved understanding of **secure route handling** and backend access control mechanisms.
