

**Day 13 – July 2, 2025**

**Topic:** Authentication & Authorization

### **Introduction**

Today I learned how to secure web applications using authentication and authorization.

### **Techniques**

- User registration/login using JWT (JSON Web Tokens).
- Password hashing for security.

### **Example**

```
const token = jwt.sign({id: user._id}, 'secretKey');
```

### **Challenges Faced**

- Handling token expiration and secure storage.

### **Key Learnings**

- Authentication ensures only authorized access.
- Security is crucial for real-world applications.

### **Conclusion / Reflection**

Implemented secure login successfully. Learned practical security measures for full-stack apps.