6th August 2025 (Wednesday)

Today's 2-hour session was centered around user authentication and security improvement. During the first hour, we revisited the logic behind authentication and user verification. I implemented additional validation checks to ensure no unauthorized access could occur. The mentor discussed how proper authentication helps protect sensitive user information.

In the second hour, I added password visibility toggles and enhanced password complexity requirements. I also implemented input sanitization to prevent any invalid data submissions. Towards the end, I ran multiple test cases for both successful and failed login attempts. This session gave me valuable exposure to real-world security practices and reinforced the idea that a secure foundation is the most critical part of any application.