DATE: 15 JULY 2025   **DAY: TUESDAY**

DAY 18 — Packet Analysis Using Wireshark

LEARNING OBJECTIVES:-

- Analyze intercepted packets.
- Identify security flaws in IoT communication.

Overview:-

Day 18 introduced packet inspection techniques using Wireshark. Captured packets were analyzed to understand HTTP headers, IP mapping, and exposed data.

Activites:-

- Examined TCP streams and payloads.
- Checked for API key leakage and unencrypted data.

Insights:-

- Understood full packet structure.
- Identified insecure communication practices.