DATE: 25 JUNE 2025　　　　**DAY: WEDNESDAY**

DAY 3 — Software Environment Setup

LEARNING OBJECTIVES:-

- Install and configure Arduino IDE with ESP32 board support.
- Configure Python environment needed for automation and security scripts.

Overview:-

Day 3 introduced the complete software setup required for embedded programming and cybersecurity work. The focus was on installing IDEs, drivers, and Python libraries that support IoT development and testing. This created a stable toolchain for future experiments.

Activites:-

- Installed Arduino IDE, ESP32 board manager, and drivers.
- Installed Python, pip libraries (requests, scapy, whois).

Insights:-

- Understood importance of correct tool installation.
- Ensured smooth board-to-PC communication.