AeroAspire - SDE Intern
Gokul Krishna S

Week 5 – Day 4 (October 25)

Questions/Reflections :

1. What commands do you use to clean Docker: stop, remove containers, remove images?

    - 1. Commands to clean Docker (stop, remove containers, remove images)

    - **To stop all running containers:**
      docker stop $(docker ps -q)

    - **To remove all containers:**
      docker rm $(docker ps -aq)

    - **To remove all images:**
      docker rmi $(docker images -q)

    - **And to do a full cleanup (unused stuff):**
      docker system prune –a

    - That clears up space and removes old, unused data.

2. How do logs help you debug? What log files would you keep in a real production setup?

    - Logs show what actually happened inside your app or container — errors, warnings, or requests.
    - They help trace where something broke or slowed down.
    - In production, you'd keep logs like:
    - **App logs** (Flask or backend logs)
    - **Access logs** (who visited and when)
    - **Error logs** (stack traces, crashes)

- **Database logs** (queries, slow logs)
- **Container logs** (via docker logs or centralized tools like ELK or Grafana Loki)
- **Good logs** = easier debugging.

3. What are the minimum files needed to deploy this app to a Linux server?

- You only need the essentials:
- **app.py** → your Flask application
- **requirements.txt** → Python dependencies
- **Dockerfile** → to build the image
- **docker-compose.yml** (if using multiple services like Flask + DB)
- **.env** → for environment variables (like DB credentials)

- That's enough to run docker compose up -d and have the full app running on a Linux server.