# Weekly Report (4th August – 8th August)

Hello Ashish,

Here’s a summary of my learnings and activities for this week:

## 1. Docker & Containerization

- Understood Docker fundamentals, including images, containers, volumes, and networks.  
- Practiced containerization by running applications inside isolated Docker containers.  
- Learned how containerization helps in creating portable, consistent environments across different systems.  
- Worked on creating and managing Dockerfiles for building custom images.

## 2. Bash Scripting

- Learned basic and advanced Bash commands for automation.  
- Wrote small scripts to automate repetitive tasks like file handling, process management, and log monitoring.  
- Understood the importance of shell scripting in DevOps workflows.

## 3. Rally – Elasticsearch Benchmarking

- Explored Rally, the benchmarking tool for Elasticsearch.  
- Learned how to install, configure, and run benchmark tests to measure Elasticsearch performance.  
- Understood key performance metrics like throughput, latency, and indexing speed.  
- Ran a few sample benchmarks to analyze system behavior under different loads.

Overall, the week focused on enhancing my understanding of containerization, automation, and performance benchmarking, which will help in optimizing deployment and monitoring workflows.

Regards,  
[Your Name]