Cloud Computing & DevOps – Task 2

This project demonstrates containerization using Docker and deployment on a cloud virtual machine (AWS EC2). Steps Performed: 1. Installed Docker locally. 2. Created Dockerfile and Flask application. 3. Built Docker image using: docker build -t devops-task2 . 4. Ran container locally: docker run -p 5000:5000 devops-task2 5. Launched AWS EC2 instance (Ubuntu). 6. Installed Docker on EC2. 7. Copied project files to EC2 using SCP. 8. Built and ran Docker container on EC2. 9. Configured Security Group to allow HTTP traffic (Port 5000). 10. Accessed application via public IP.