

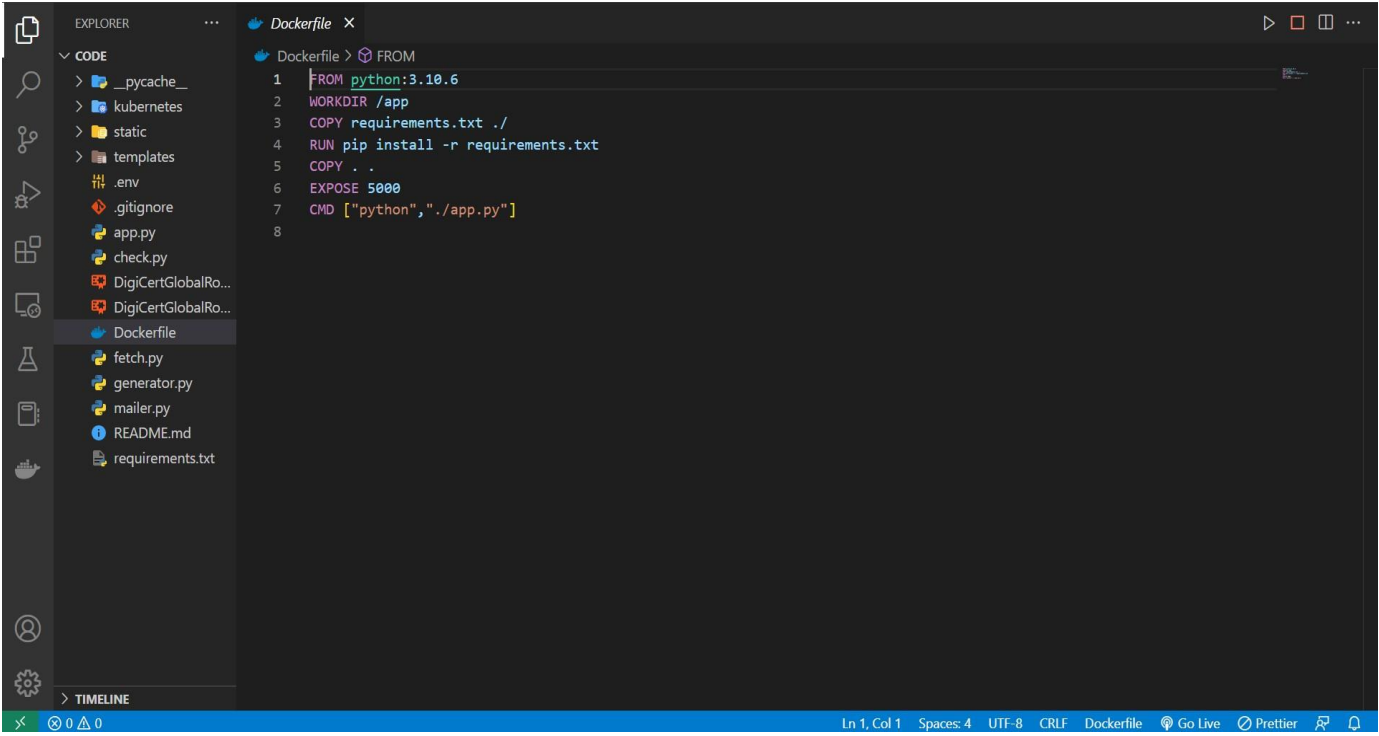
Project Development Phase

Delivery of Sprint - 4

Team ID	PNT2022TMID07636
Project Name	Plasma Donor Application
Sprint	4

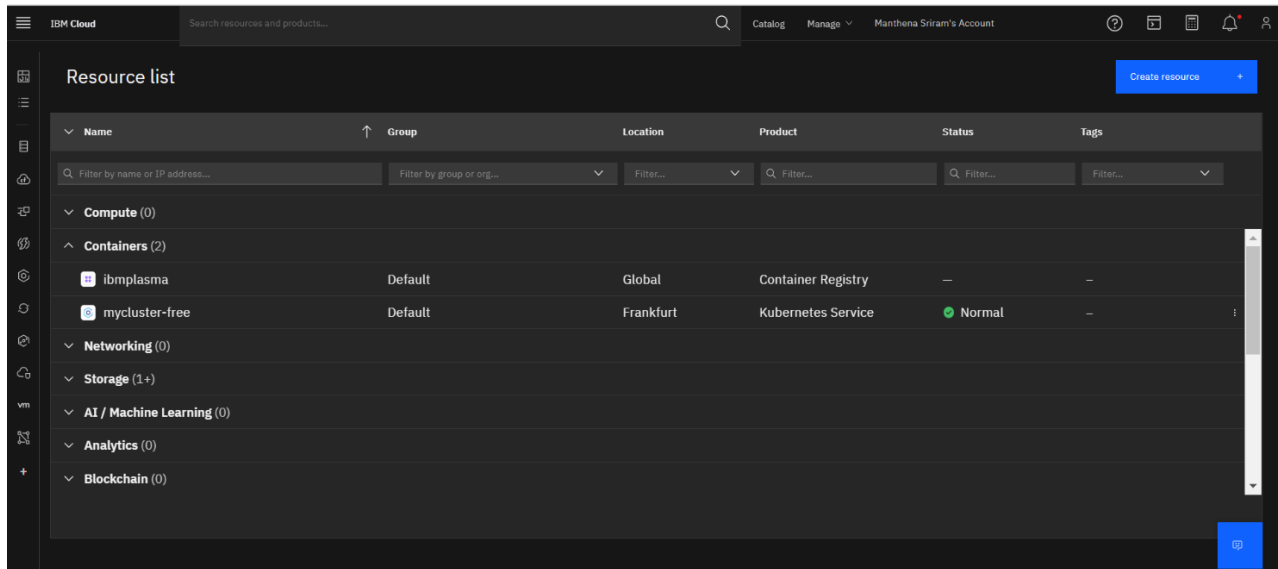
Progress – 1

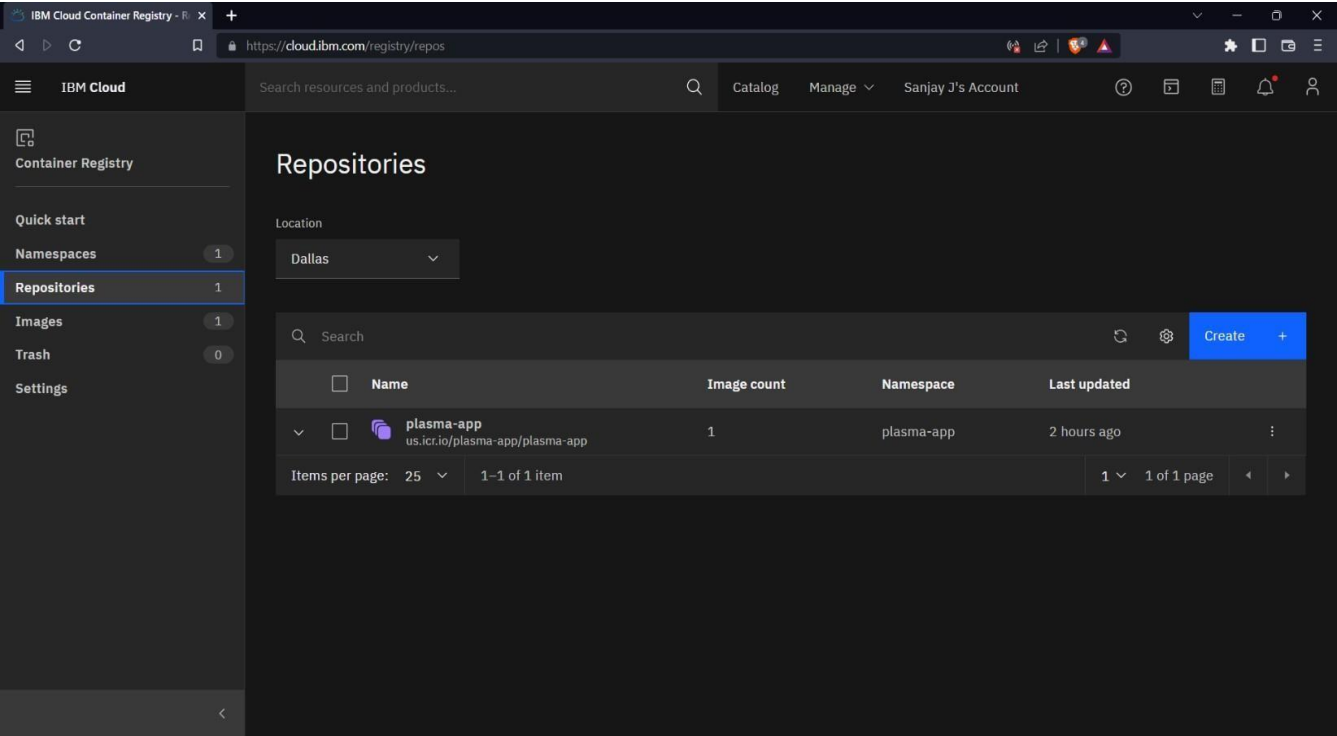
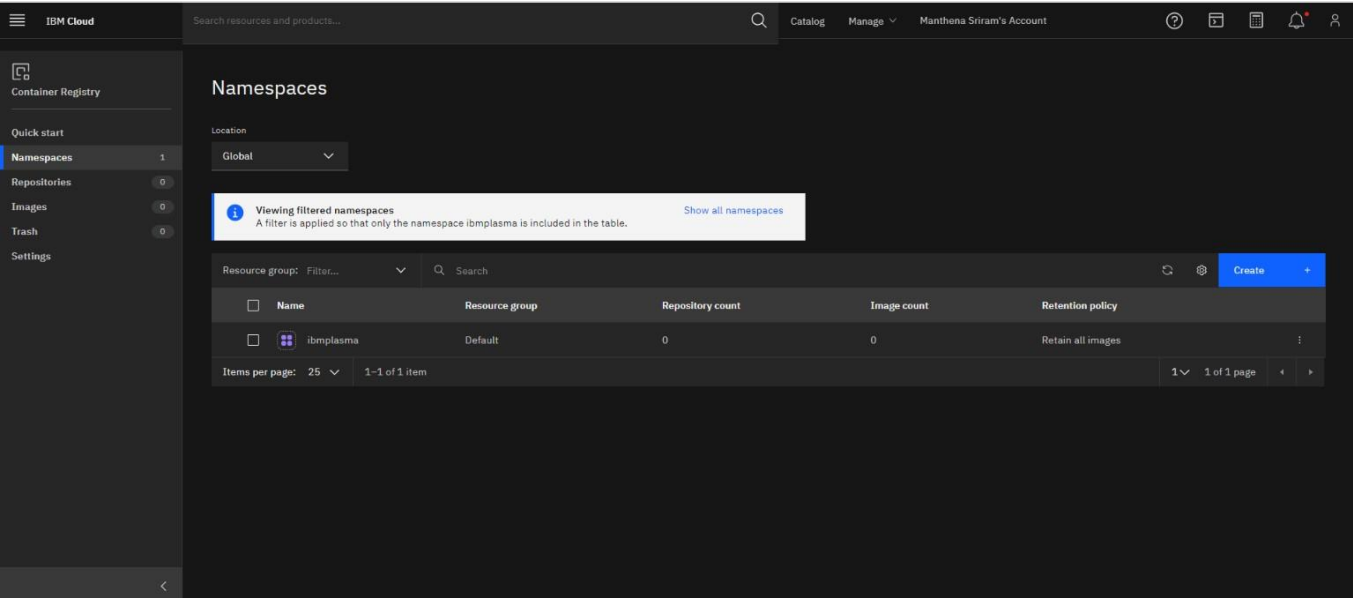
Building docker image using docker container



Progress 2

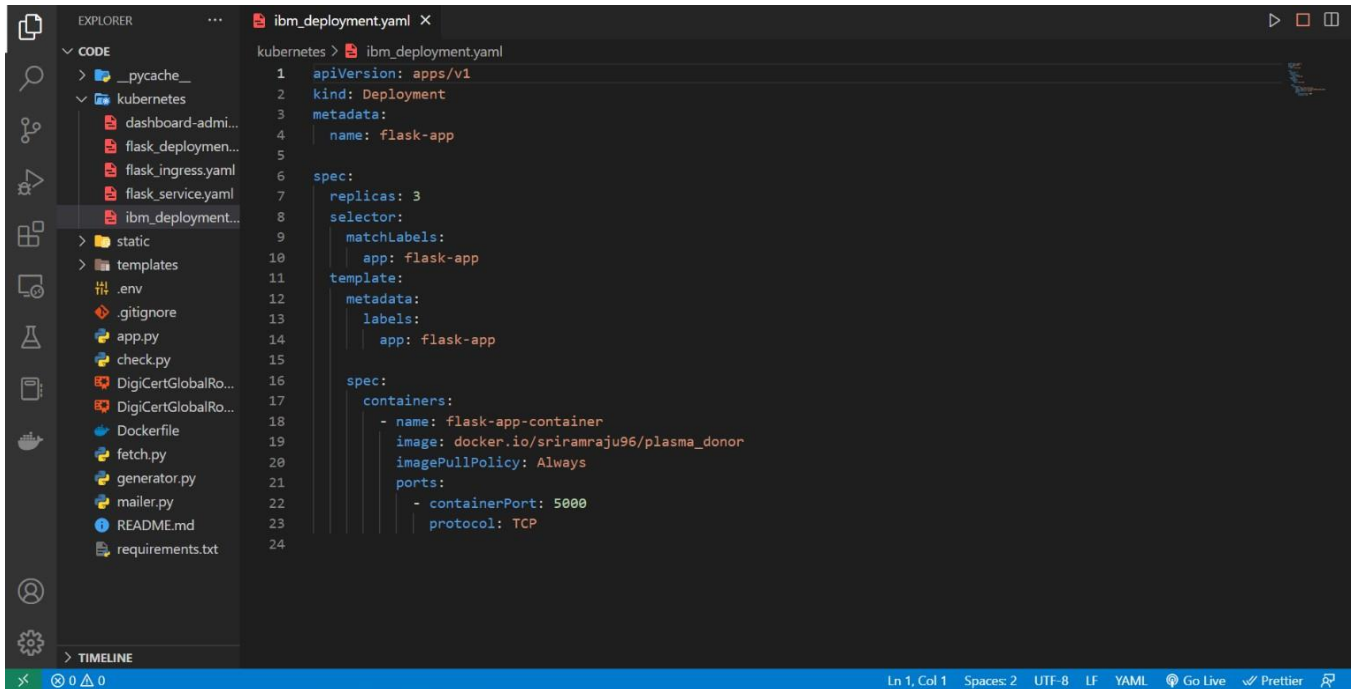
Uploading the Image to the IBM Container registry.





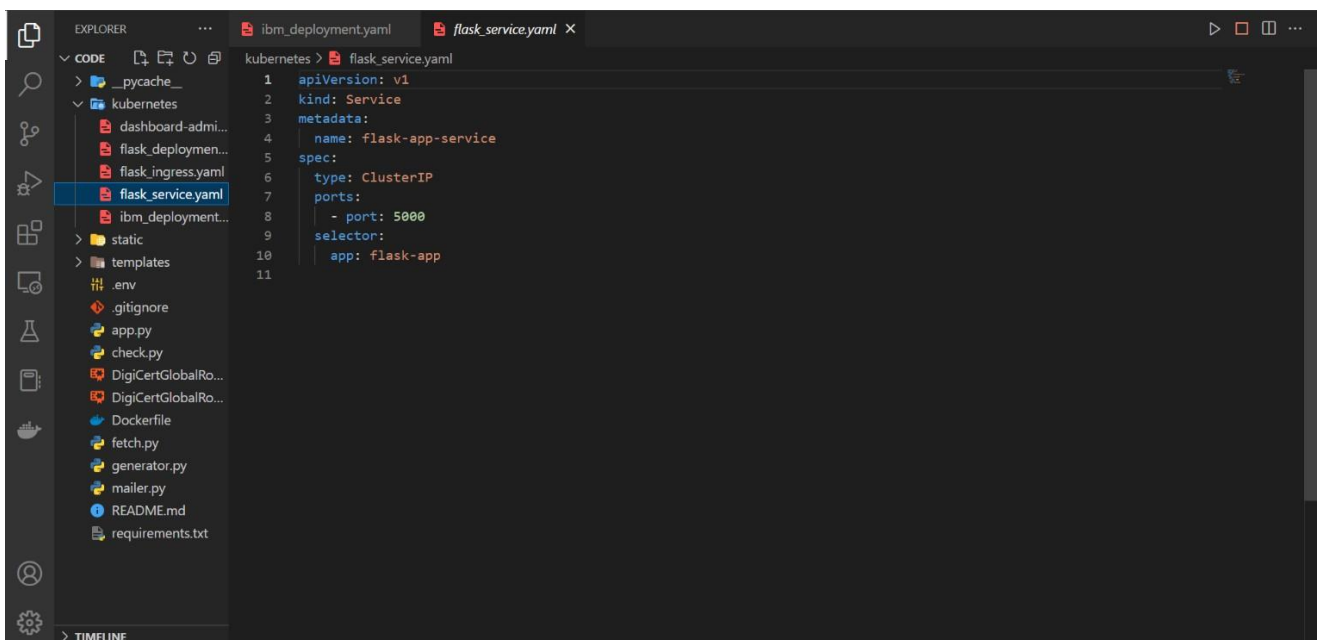
Progress 3

Deploy the image in Kubernetes cluster.



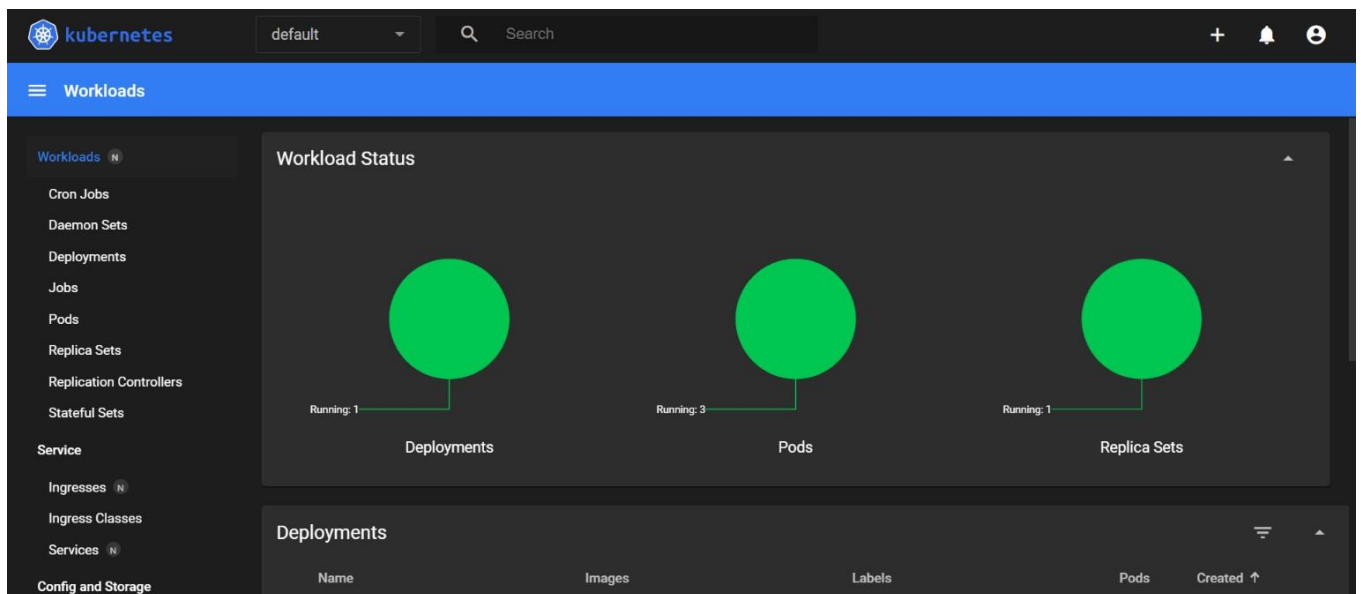
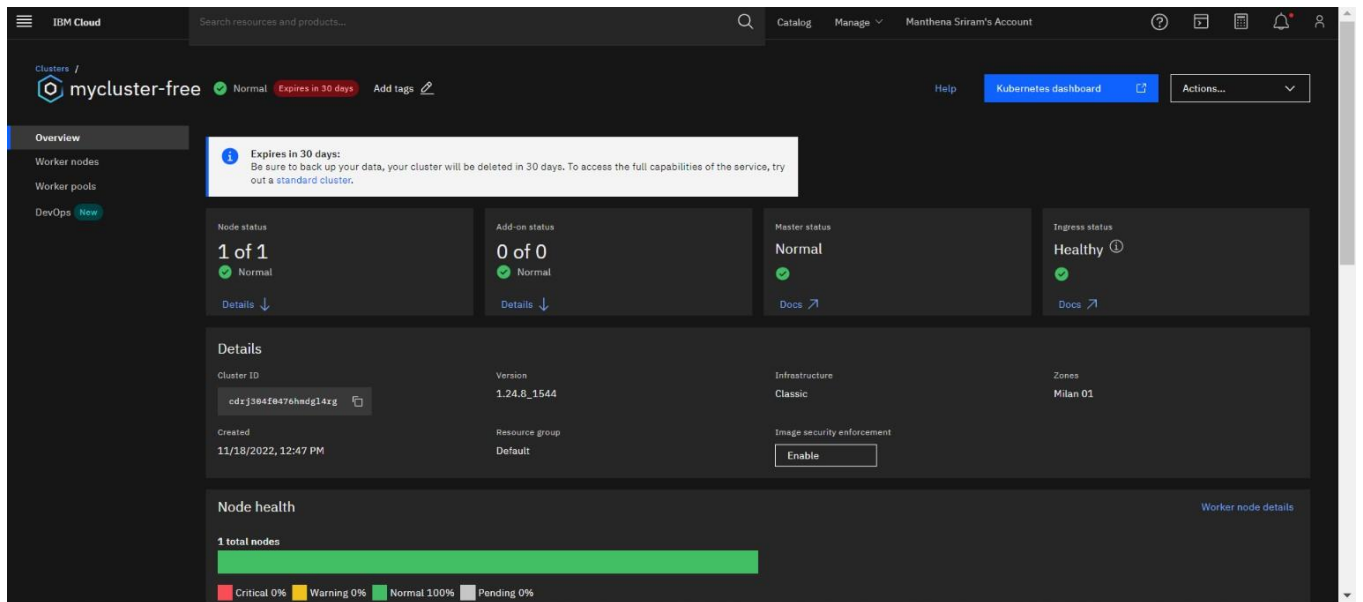
The image shows a VS Code editor window with the Explorer sidebar on the left and the Code editor on the right. The Explorer sidebar shows a project structure with a 'kubernetess' directory containing several files: 'dashboard-admin...', 'flask_deploymen...', 'flask_ingress.yaml', 'flask_service.yaml', 'ibm_deployment...', 'static', 'templates', '.env', '.gitignore', 'app.py', 'check.py', 'DigiCertGlobalRo...', 'Dockerfile', 'fetch.py', 'generator.py', 'mailer.py', 'README.md', and 'requirements.txt'. The 'ibm_deployment...' file is selected. The Code editor shows the content of 'ibm_deployment.yaml' with the following YAML content:

```
kubernetess > ibm_deployment.yaml
1  apiVersion: apps/v1
2  kind: Deployment
3  metadata:
4    name: flask-app
5
6  spec:
7    replicas: 3
8    selector:
9      matchLabels:
10       app: flask-app
11    template:
12      metadata:
13        labels:
14          app: flask-app
15
16      spec:
17        containers:
18          - name: flask-app-container
19            image: docker.io/sriramraju96/plasma_donor
20            imagePullPolicy: Always
21            ports:
22              - containerPort: 5000
23                protocol: TCP
24
```



The image shows a VS Code editor window with the Explorer sidebar on the left and the Code editor on the right. The Explorer sidebar shows the same project structure as the previous image. The 'flask_service.yaml' file is selected. The Code editor shows the content of 'flask_service.yaml' with the following YAML content:

```
kubernetess > flask_service.yaml
1  apiVersion: v1
2  kind: Service
3  metadata:
4    name: flask-app-service
5  spec:
6    type: ClusterIP
7    ports:
8      - port: 5000
9    selector:
10      app: flask-app
11
```



--- Completed Sprint – 4 ---