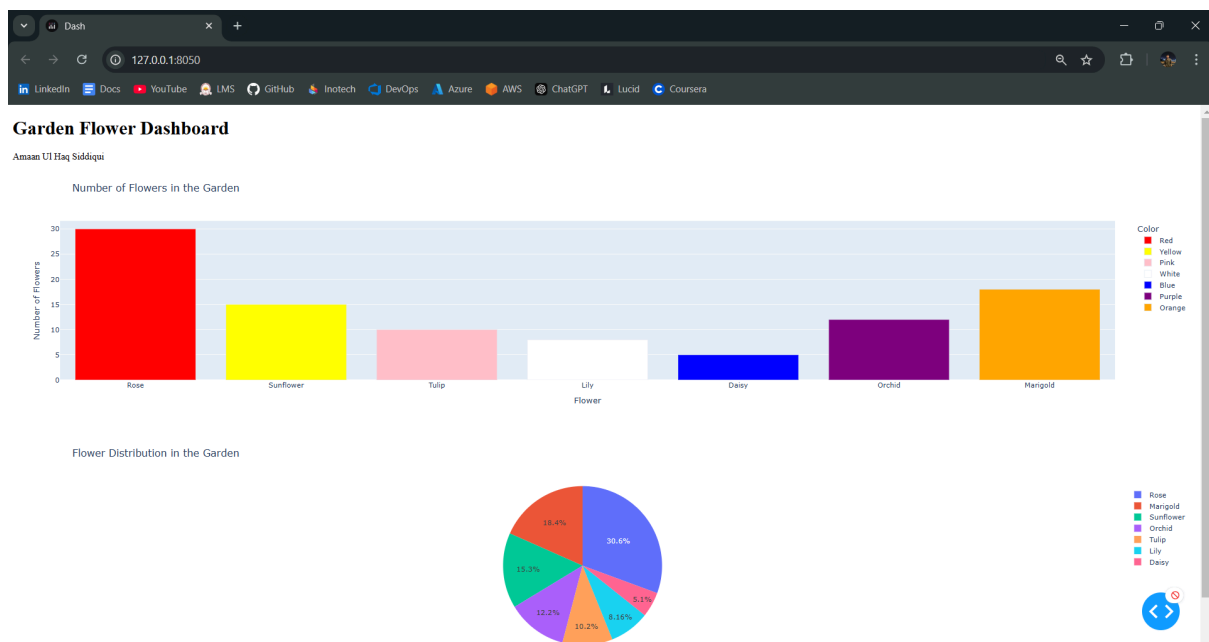


# Amaan UI Haq Siddiqui - BDA-IBA NAVTTC

## Section B - Practical : Deployment and sharing of Dashboards: Develop a Dash application and deploy for online sharing.

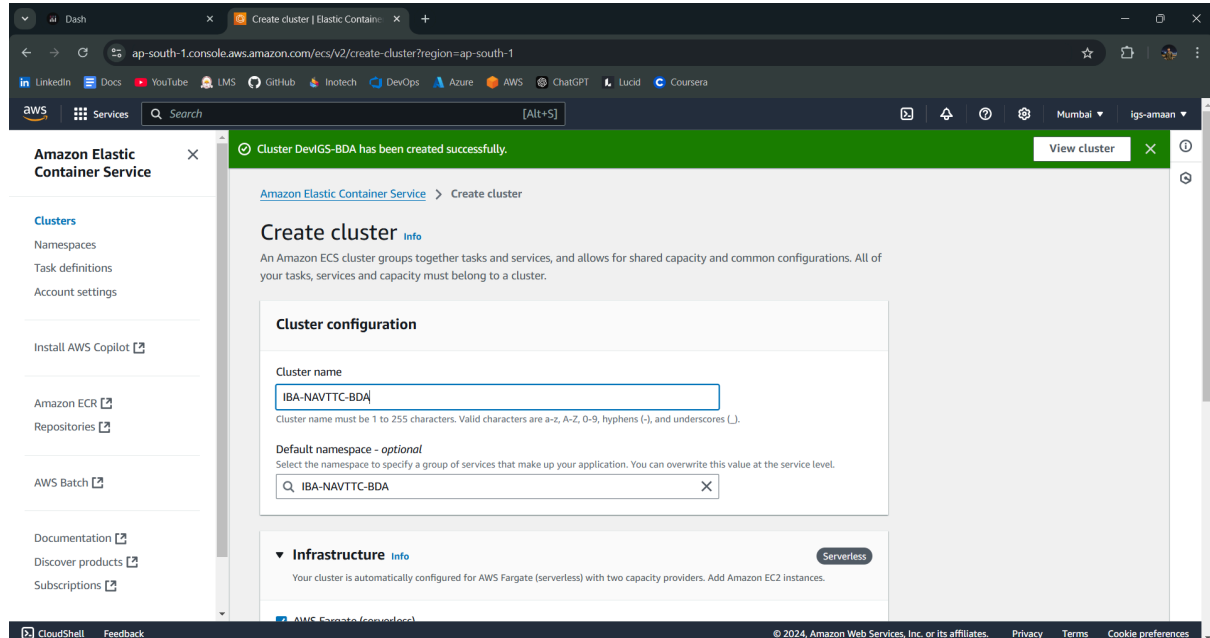
```
File Edit Selection View Go Run Terminal Help
EXPLORER
FINAL
  deployment
    AWS-ECS-CLUSTER-FORMATI... U
    AWS-ECS-CLUSTER.png U
    docker.inotech-pk.com.png U
    dockerfile U
    running-app-locally.png U
    localhost.png
    requirements.txt
    Section-B.py
Section-B.py
1 import dash
2 from dash import dcc, html
3 import plotly.express as px
4 import pandas as pd
5
6 app = dash.Dash(__name__)
7
8 # data
9 data = {
10     "Flower": ["Rose", "Sunflower", "Tulip", "Lily", "Daisy", "Orchid", "Marigo"],
11     "Color": ["Red", "Yellow", "Pink", "White", "Blue", "Purple", "Orange"],
12     "Count": [30, 15, 10, 8, 5, 12, 18]
13 }
14
15 df = pd.DataFrame(data)
16
17 bar_fig = px.bar(df, x="Flower", y="Count", color="Color",
18                 title="Number of Flowers in the Garden",
19                 labels={"Count": "Number of Flowers"},
20                 color_discrete_map={"Red": "red", "Yellow": "yellow", "Pink":
21
22 pie_fig = px.pie(df, names="Flower", values="Count",
23                 title="Flower Distribution in the Garden")
24
```

App is running on localhost

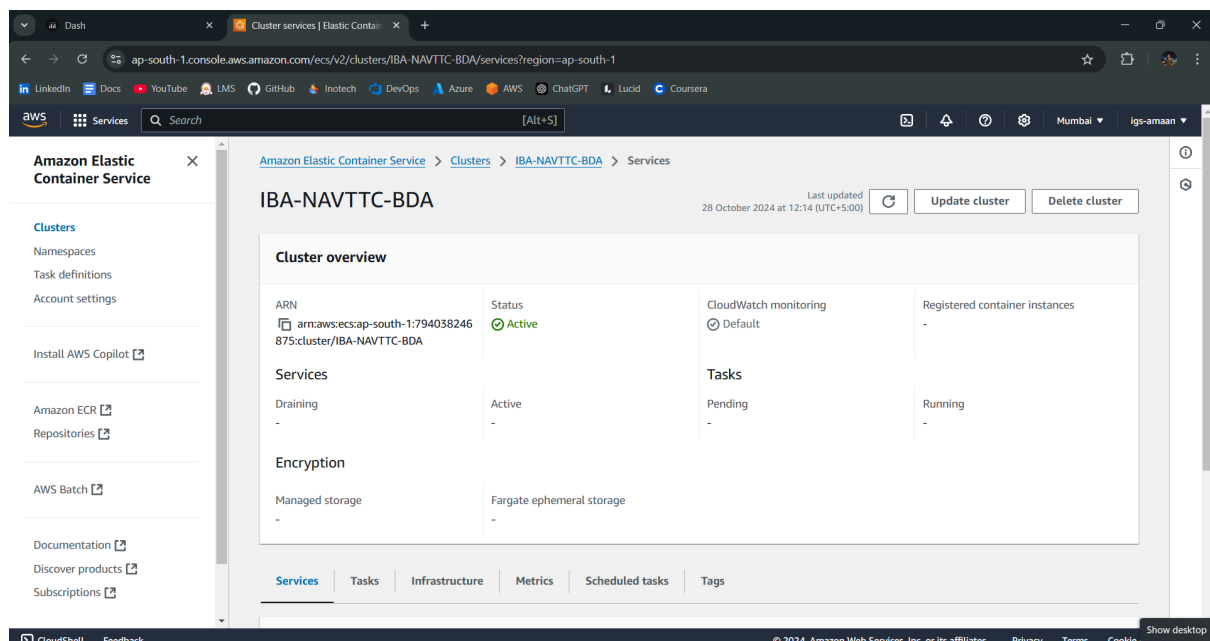


# Deploying the application on AWS ECS Cluster

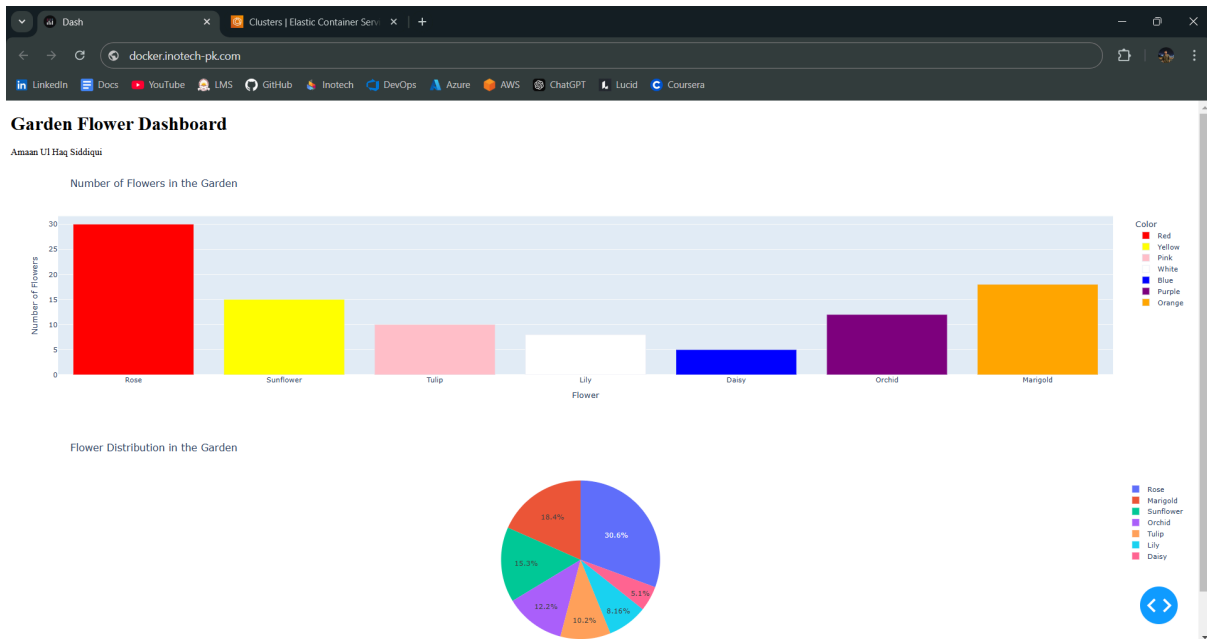
## Naming cluster



## Forming Cluster



Dockerfile used to deploy on my on domain (inotech-pk.com)'s subdomain (docker.inotech-pk.com) which can be seen below;\



I have deactivated the cluster and deleted the subdomain CNAME record due to obvious reasons of cost and security.