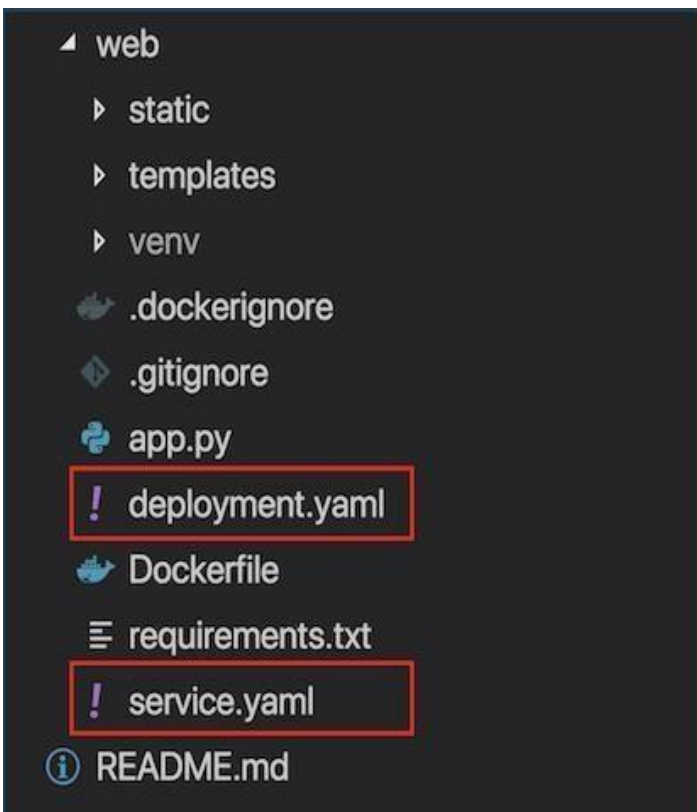


# Deployment of App in IBM Cloud

## Deploy On Kubernetes

Date	18 NOV 2022
Team ID	PNT2022TMID34417
Project Name	Skill and Job Recommender

**Step 1 :** Go to the Project Repository then Create the Deployment.yaml and Service.yaml files.



**Step 2 :** In deployment.yaml file Type the Code.

```

apiVersion: extensions/v1beta1
kind: Deployment metadata:
name: flask-node-deployment
spec: replicas: 1
selector: matchLabels:
app: flasknode template:
metadata: labels:
app: flasknode spec:
containers: -
name: flasknode
image: registry.ng.bluemix.net/flask-node/app
imagePullPolicy: Always ports: -
containerPort: 5000

```

**Step 3 :** In service.yaml file Type the Following Code.

```

apiVersion: v1 kind: Service
metadata: name: flask-
node-deployment spec:
ports: - port: 5000
targetPort: 5000 selector:
app: flasknode

```

**Step 4 :** Then follow the steps to deploy.

1.Target the IBM Cloud Kubernetes Service region where you want to work.

ibmcloud cs region-set us-south

2.Set the context for the cluster in your CLI.

```

ibmcloud cs cluster-config cluster_kunal>
KUBECONFIG=/Users/$USER/.bluemix/plugins/container export
>/< cluster_configuration_file.yaml> -service/clusters/< cluster_name

```

3.Verify that you can connect to your cluster by listing your worker nodes.

```
kubectl get nodes
```

4.Create the deployment.

```
kubectl create -f deployment.yaml
```

5.Create the service.

```
kubectl create -f service.yaml
```

**Step 5 :** Look the Kubernet Page. And finally the docker image will appear on browser.