# Task 3 – Minikube Deployment Task

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#### Step 1: Start minikube

```
elan@kumaran:~/portfolio$ minikube start

minikube v1.35.0 on Ubuntu 24.04 (amd64)

Using the docker driver based on existing profile

starting "minikube" primary control-plane node in "minikube" cluster

Pulling base image v0.0.46 ...

Restarting existing docker container for "minikube" ...

Preparing Kubernetes v1.32.0 on Docker 27.4.1 ...

Verifying Kubernetes components...

Using image docker.io/kubernetesui/dashboard:v2.7.0

Using image gcr.io/k8s-minikube/storage-provisioner:v5

Using image docker.io/kubernetesui/metrics-scraper:v1.0.8
```

#### Step 2: Install Kubectl

#### Step 3: Create Deployement

```
elan@kumaran:~$ kubectl create deployment elankumaran21 --image=elankumaran21/dev:latest --port=80
deployment.apps/elankumaran21 created
```

### Step 4: Expose Deployement

```
elan@kumaran:~$ kubectl expose deployment elankumaran21 --port=80 --type=NodePort service/elankumaran21 exposed
```

### Step 5: Verify Pods

```
elan@kumaran:~$ kubectl get pods
NAME READY STATUS RESTARTS AGE
elankumaran21-644697d7cb-2rhtg 1/1 Running 0 34s
```

### Step 6: Access the Service



## Output:



