**Source code of Deploy Application on Cloud**

**I generated a docker image of a spring boot application (with data base used) and pushed into docker hub**

Image is – **saikrishna2001/vacci-center**

**1.Open EC2 in AWS and create an instance of following**

**Amazon machine image** - Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type

**Key pair(login) –** use default

**Network settings –> edit –>Add security group rule –>** type- All traffic **,**

Source type –Anywhere **–>Launch Instance –>connect(this instance)**

**2.enter following commands**

**Changing linux to root level**

**#** sudo –i

**Installing docker**

**#** sudo yum install docker

**Running docker**

**#** service docker start

**Downloading the image**

**#** docker pull saikrishna2001/vacci-center

**Configure mysql**

**#** docker run --name docker-mysql -e MYSQL\_ROOT\_PASSWORD=password -e MYSQL\_DATABASE=db1 -e MYSQL\_USER=user -e MYSQL\_PASSWORD=password -d mysql:latest --default-authentication-plugin=mysql\_native\_password

**Running spring boot image**

**#** docker run –p 8086:8086 –name vcenter –link docker-mysql:mysql saikrishna2001/vacci-center

**Going application to live**

**Run the url** - EC2 instance [url:8086](file:///F:\sai\MLA\8086) 🡪public IPv4 DNS

Example - http://ec2-3-93-183-59.compute-1.amazonaws.com:8086