**Step-by-Step Guide: Local Docker → AWS EC2 → Browser**

**Step 1 :** Download and Install Docker

**Step 2** : Create Dockerfile and build docker Image

docker build -t my-docker-image .

**Step3 :** pscp -i "D:\sai\Docker-Image-key\EC2-Docker-Image-16.ppk" image.tar ubuntu@35.182.229.196:

**Step 4 :** Open Putty for EC2

sudo apt update

sudo apt install docker.io -y

sudo systemctl start docker

sudo systemctl enable docker

**Step 5 : sudo docker load < image.tar**

**Step 6 : sudo docker run -d -p 80:8080 my-docker-image**

**DockerFile**

**# Use official Python base image**

**FROM python:3.9-slim**

**# Set the working directory inside the container**

**WORKDIR /app**

**# Copy everything from your current directory to /app inside the container**

**COPY . .**

**# Install required Python packages**

**RUN pip install --no-cache-dir -r requirements.txt**

**# Expose the port the app runs on**

**EXPOSE 5000**

**# Run the app**

**CMD ["python", "app.py"]**

**# check the app.py filename as per your filename**