# 📚 Day 2 Assignment

## 1. Advanced Git Commands

- 🔗 [Git, AI, Docker: Day 2 of My ML Journey Was a Wild Ride]( https://dev.to/siva\_k24mcr101\_e36afbd32/basic-git-commands-21j7)

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# 🐳 2. Docker Image Creation and Pushing to Docker Hub

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## Step 1: 🛠️ Create a Dockerfile

- Inside your project folder, create a file named `Dockerfile`.

- Add the following basic instructions:

```dockerfile

FROM python:3.9

COPY . .

RUN pip install -r requirements.txt

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

```

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## Step 2: 🏗️ Build the Docker Image

- Open a terminal in your project directory and run:

```bash

docker build -t yourdockerhubusername/yourimagename:tag .

```

✅ Example:

```bash

docker build -t siva182004/mlproject:latest .

```

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## Step 3: 🔑 Log In to Docker Hub

- Log in to your Docker Hub account from the terminal:

```bash

docker login

```

(Enter your \*\*Docker Hub username\*\* and \*\*password\*\* when prompted.)

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## Step 4: 🚀 Push the Image to Docker Hub

- Push your Docker image using:

```bash

docker push yourdockerhubusername/yourimagename:tag

```

✅ Example:

```bash

docker push siva182004/mlproject:latest

```

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## 3. Poster Creation

- \*\*Topic\*\*: Improving Accuracy in Regression Models

- ![Poster Image](ML-Poster.png)

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