1. Create a repository in github
2. Open anaconda prompt and type cd Z:\Data Science\mlproject ENTER.

Z: ENTER

code . ENTER 🡪 this will open vs code

1. For creating an environment in vs code:

Open the terminal in vs code.

Select command prompt in terminal.

Type the command: conda create -p venv python==3.8 -y.

conda activate venv/

1. To initialize empty git repository type: git init
2. Create a readme file in vs code. In the left panel you have mlproject under mlproject create a README.md file. Readme file is for writing descriptions of the project.
3. Add readme file into git. In vs code terminal type: git add README.md
4. Commit readme file into git type in vs code terminal: git commit -m "First commit"
5. Push the file into github repo type: git branch -M main
6. Repo in sync type: git remote add origin <https://github.com/K-Roshini-Reddy/mlproject.git>
7. To check whether it is synced with your repo type: git remote -v
8. For global config type: git config --global user.name "Roshini Reddy"

git config --global user.email roshinireddyk8@gmail.com

1. Pushing to git type: git push -u origin main
2. Reload github page you can see your README.md file.
3. Create a new file in github repo: .gitignore

Select the template as Python

Commit changes

1. In vs code type: git pull
2. Create a setup.py file in vs code. In the left panel you have mlproject under mlproject create a setup.py file. setup.py will be responsible in creating my machine learning application as a package.
3. Create a requirements.txt file in vs code. In the left panel you have mlproject under mlproject create a requirements.txt file. requirements.txt file will have all the packages that I need to install for my project.
4. Write code in setup.py
5. Create a new folder src, under mlproject in vscode.
6. If you want to find src as a package, create a file in src \_\_init\_\_.py
7. Write code in requirements.txt
8. In vs code terminal execute the following commands

pip install -r requirements.txt

git add .

git status

git commit -m "setup"

git push -u origin main

1. Create a components folder under src folder in vs code.
2. Create file \_\_init\_\_.py inside components folder in vs code.
3. Create data\_ingestion.py, data\_transformation.py, model\_trainer.py files inside components folder in vs code.
4. Create a folder pipeline under src folder in vs code.
5. Create \_\_init\_\_.py, train\_pipeline.py, predict\_pipeline.py files under pipeline folder in vs code.
6. Create logger.py, exception.py, utils.py files under src folder in vs code.
7. Write code in exception.py