VS code

Extension – install Python, Python Debugger, Jupyter Notebook, Pylance

Create a new Virtual Env

python -m venv EnvName

Activate the env

EnvName\Srcipts\activate

Check python version

python –version

End to End Modular coding using LangGraph

1. State Schema
2. Nodes are functions
3. Edges connect nodes
4. State Graph

Modular coding for deployment

Modular coding for reusability

Step by Step coding

1. Create virtual env
2. Activate the env
3. Create requirements.txt
4. Add the packages in requirements.txt
5. File ->Auto Save
6. Terminal: pip install -r requirements.txt
7. Open Github, to parallely commit code to github
8. Github: Repositories -> New -> Give a project name ([**Agentic-Project**](https://github.com/Paramita1985/Agentic-Project)) -> Create repository (no need to fill any details)
9. To commit code, you need to have git downloaded - <https://git-scm.com/downloads/win>
10. Once git is downloaded, go to github, copy the command git init
11. Git init – initializes the git repository, run this in the VS code terminal

git init

git add README.md

git commit -m "first commit"

git branch -M main

git remote add origin https://github.com/Paramita1985/Agentic-Project.git

git push -u origin main

1. Run git init in the vs terminal – an empty git repository is created in the a file path, the names will be in green and U means untracked
2. In VS code create a file .gitignore directly, it will have a diamond shape. We need gitignore for files that are not required in the git repository like the virtual environment
3. In the gitignore write envname/ (eg. AgenticProj/). The green tracking is off now.
4. Create a README.md file, Now execute git add README.md. README file is to write basic information about the project