

VS Code + GitHub Python Dev Cheat Sheet

1. VS Code Essentials

- Install: `sudo snap install code --classic`

- Key Extensions:

Python, Pylance, Jupyter, GitLens, Docker, Prettier, Bracket Pair Colorizer, TODO Highlight

2. Useful Shortcuts

- Ctrl+Shift+P: Command Palette

- Ctrl+` : Open Terminal

- Ctrl+B: Toggle Sidebar

- Ctrl+Shift+D: Debug View

- Ctrl+P: Quick Open files

- Ctrl+K Ctrl+S: Keyboard shortcuts

3. Project Setup

`.vscode/settings.json`

```
{  
  "python.formatting.provider": "black",  
  "editor.formatOnSave": true,  
  "python.linting.pylintEnabled": true,  
  "python.analysis.typeCheckingMode": "basic"  
}
```

4. Python Virtual Env

- `python -m venv venv`

- `source venv/bin/activate`

- `pip install -r requirements.txt`

5. Git + GitHub Basics

- `git init`

- `git add .`

- `git commit -m "msg"`

- git remote add origin <url>
- git push -u origin main

6. Common Git Commands

- git status
- git log --oneline --graph
- git diff
- git stash
- git pull origin main
- git checkout -b new-branch
- git merge new-branch

7. Pushing New Projects to GitHub

- Create repo on GitHub
- In terminal:
 - git init
 - git add .
 - git commit -m "first commit"
 - git remote add origin https://github.com/yourusername/repo.git
 - git push -u origin main

8. Recommended .gitignore for Python

```
venv/  
__pycache__/  
*.pyc  
.env  
*.log  
.DS_Store  
.ipynb_checkpoints/
```

Keep VS Code settings, Python tools, and GitHub synced across projects for consistency.