**🛠️ STEP-BY-STEP GIT COMMANDS FOR dev BRANCH**

**✅ 1. Check Current Branch**

git branch

This shows your active branch (with a \* before it).

**✅ 2. Switch to dev branch**

git checkout dev

**✅ 3. Check what files were changed**

git status

**✅ 4. Stage Files for Commit (from inside projects/)**

If you're only working in StockTrendPredictor/, do:

git add StockTrendPredictor/

Or, to stage all modified files:

git add .

**✅ 5. Commit with a Message**

git commit -m "feat(stock): added data preprocessing script"

**✅ 6. Push to Remote**

git push origin dev

**🚀 To Push Final Code to main Branch**

Only do this once you're ready to update the production-level version (after testing, review, etc.)

**✅ 1. Switch to main**

git checkout main

**✅ 2. Pull latest updates (optional, but safe)**

git pull origin main

**✅ 3. Merge changes from dev to main**

git merge dev

**✅ 4. Push main to GitHub**

git push origin main

**💡 BONUS – See History**

git log --oneline

**🧠 Commit Message Tip (Industry Style):**

Use this format:

<type>(project): your message

| **Type** | **Use For** |
| --- | --- |
| feat | New feature |
| fix | Bug fix |
| docs | Documentation only |
| style | Code style, formatting |
| refactor | Code change w/o new feature |
| test | Adding tests |
| chore | Build system or cleanup tasks |

**🔄 2. Fetch all remote branches**

git fetch