

## 🌱 SAGE Chatbot – Git Workflow (TEAM STANDARD)

### ♦ PHASE 1: First-time setup (DO THIS ONCE)

#### 1 Clone the repository (create local copy)

```
git clone https://github.com/<username>/<repo>.git
```

→ Creates a local folder with the full project.

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#### 2 Enter the project folder

```
cd <repo>
```

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#### 3 Open VS Code in this folder

```
code .
```

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#### 4 Set Git identity (ONLY ONCE PER SYSTEM)

```
git config --global user.name "Your Name"
```

```
git config --global user.email "your_email@example.com"
```

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#### 5 Create & activate virtual environment

```
python -m venv .venv
```

Activate:

- Windows:

```
.venv\Scripts\activate
```

- macOS/Linux:

```
source .venv/bin/activate
```

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#### 6 Install required packages

```
pip install -r requirements.txt
```

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### ♦ PHASE 2: BEFORE YOU START CODING (EVERY DAY)

#### 7 Check current status

```
git status
```

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### 8 Pull latest updates from main branch

git pull origin main

→ **MANDATORY** before coding

→ Prevents conflicts and missing core files

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### ♦ PHASE 3: CODING PHASE

✓ Edit **only your assigned file**

src/data\_extraction/extract\_<your\_pdf>.py

✗ Do NOT touch:

- extract\_base.py
  - clean\_text.py
  - run\_extraction.py
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### ♦ PHASE 4: VERIFY YOUR WORK

### 9 Check what files you modified

git status

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### 10 Stage only your extractor file

git add src/data\_extraction/extract\_<your\_pdf>.py

! Do NOT use git add .

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### 1 1 Commit your changes

git commit -m "Add extractor for <PDF name>"

Good commit message examples:

- Add extractor for AI Act PDF
  - Add extraction rules for syllabus document
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### ♦ PHASE 5: UPDATE ORIGINAL (PUSH)

### 1 2 Pull again (SAFETY STEP)

`git pull origin main`

→ If conflicts appear:

- Fix them
- Then:

`git add <file>`

`git commit -m "Resolve merge conflict"`

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### **1 3 Push to GitHub**

`git push origin main`

- Username → GitHub username
- Password → **Classic Personal Access Token**