

Step-by-Step Guide: Setting Up Cursor and Git

This guide provides a detailed, easy-to-follow process for faculty members to set up Cursor accounts, configure Git, and prepare their machines for coding. Screenshots are included for clarity.

Step 1: Install Cursor

1. Download Cursor

- Go to <https://cursor.com>.
- Click **Download** for your operating system (Windows, macOS, or Linux).

2. Install the Application

- **Windows:** Run the .exe installer and follow the prompts.
 - **macOS:** Drag the Cursor app into your **Applications** folder.
 - **Linux:** Follow the instructions provided on the site (usually involves .AppImage or package manager).
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Step 2: Create a Cursor Account

1. Open Cursor after installation.

2. Click Sign Up.

3. You can sign up using:

- **Email and Password**, or
- **GitHub Account** (recommended for developers).

4. Verify your email if prompted.

Step 3: Configure Cursor for Coding

1. Choose Your Language Support

- Cursor supports multiple languages (Python, JavaScript, etc.).
- Install language-specific extensions if needed (similar to VS Code).

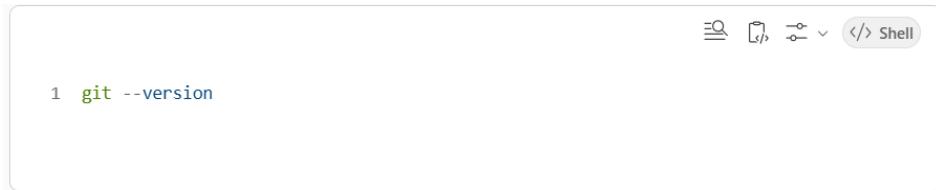
2. Enable AI Features

- Cursor uses AI for code suggestions.
 - Make sure you are logged in and have access to AI features (free tier or paid plan).
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Step 4: Install Git

1. Check if Git is Installed

- Open **Terminal** or **Command Prompt**.
- Run:

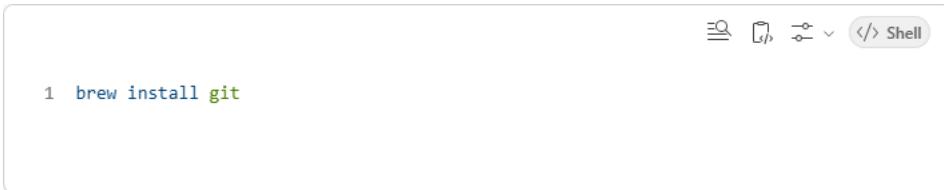


```
git --version
```

- If you see a version number, Git is installed.

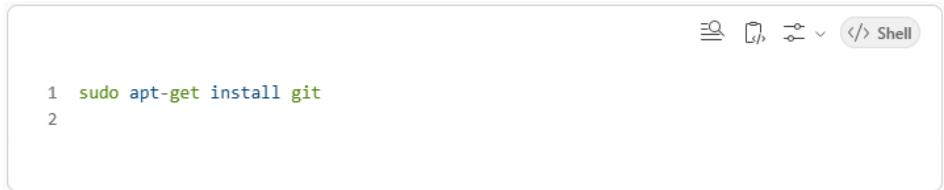
2. Install Git (if not installed)

- **Windows:** Download from <https://git-scm.com/download/win>.
- **macOS:** Use Homebrew:



```
brew install git
```

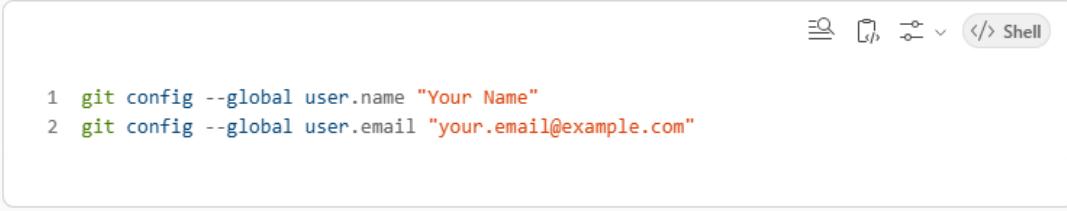
- **Linux:**



```
sudo apt-get install git
```

Step 5: Configure Git

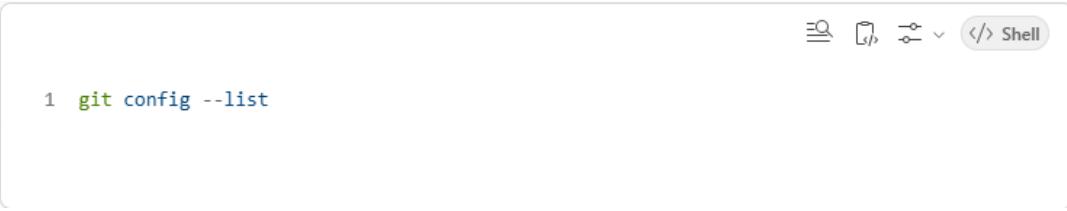
1. Set Your Username and Email



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```
1 git config --global user.name "Your Name"
2 git config --global user.email "your.email@example.com"
```

2. Check Configuration



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```
1 git config --list
```

Step 6: Connect Cursor with Git

1. Open Cursor Settings

- Go to **Settings** → **Git Integration**.

2. Sign in with GitHub

- Click **Connect GitHub Account**.
- Authorize Cursor to access your repositories.

3. Clone a Repository

- In Cursor, open the **Command Palette** (Ctrl+Shift+P or Cmd+Shift+P).
- Search for **Git: Clone**.
- Paste your repository URL.

Step 7: Test Everything

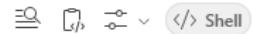
1. Open a Project

- Navigate to the cloned repo in Cursor.

2. Make a Change

- Edit a file and save.

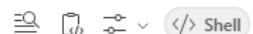
3. Commit and Push



```
1 git add .
2 git commit -m "Test commit"
3 git push
```

Step 8: Optional Enhancements

- **Install Node.js or Python** (depending on your language).
- **Set up SSH keys** for GitHub:



```
1 ssh-keygen -t rsa -b 4096 -C "your.email@example.com"
```

- Add the SSH key to GitHub under **Settings → SSH and GPG keys**.
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Quick Checklist for Faculty

- Cursor installed and account created.
- Git installed and configured.
- GitHub connected to Cursor.
- Repository cloned and tested.
- AI coding features enabled.