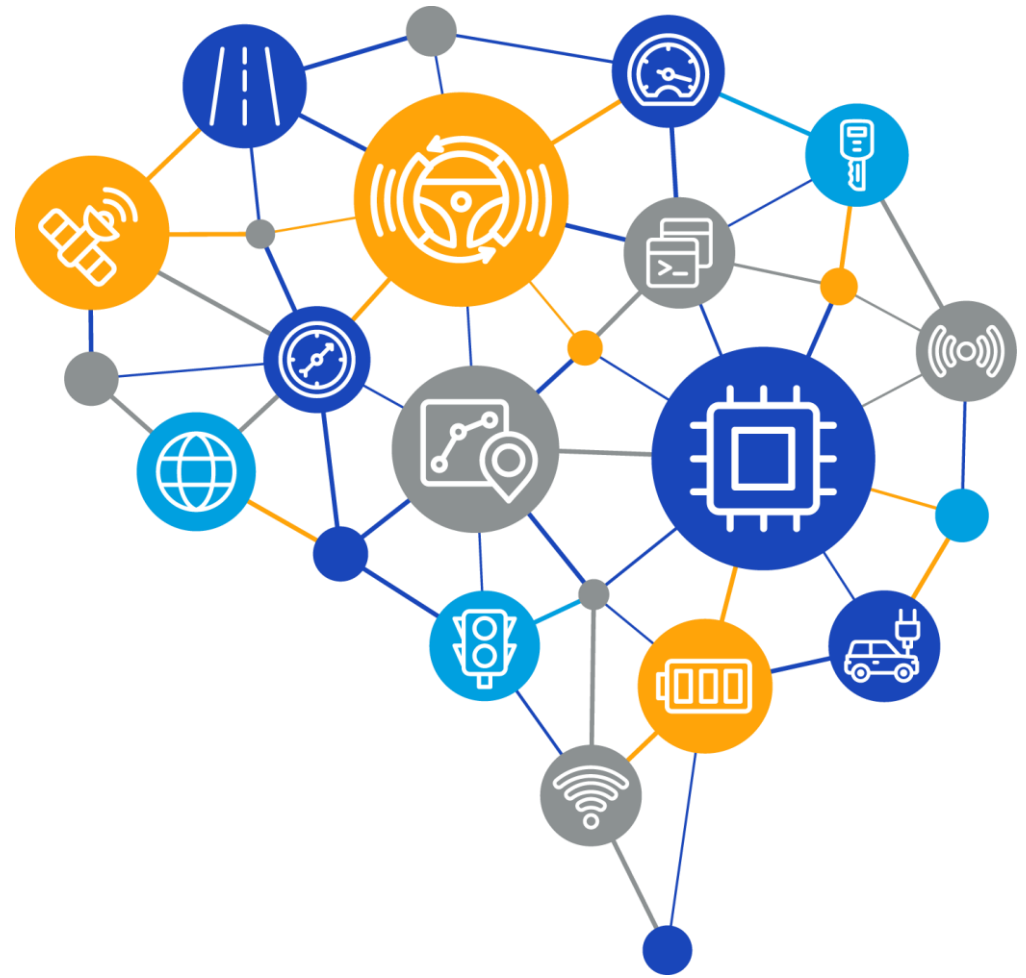


깃허브 협업활동 Pull Request

GitHub Collaboration

2023.08

강환수 교수

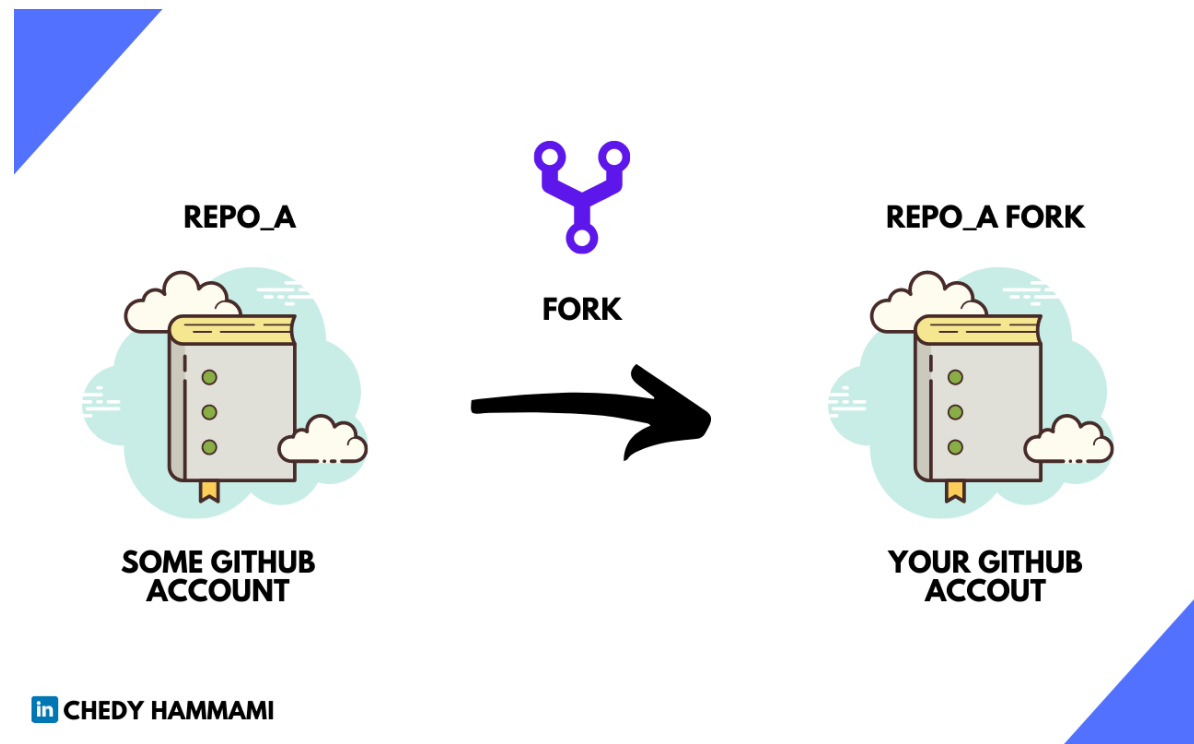


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01

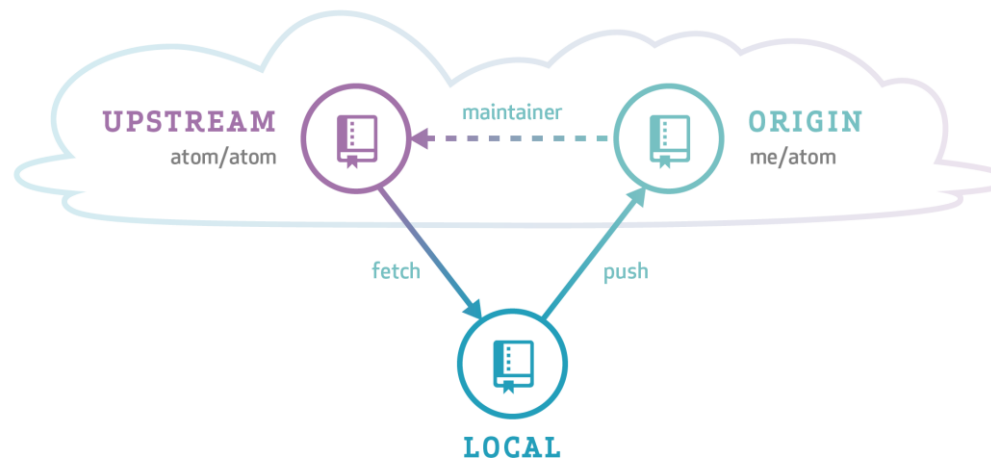
Pull Request 개요

- 타인의 저장소(upstream)를 자신의 깃허브에 복사

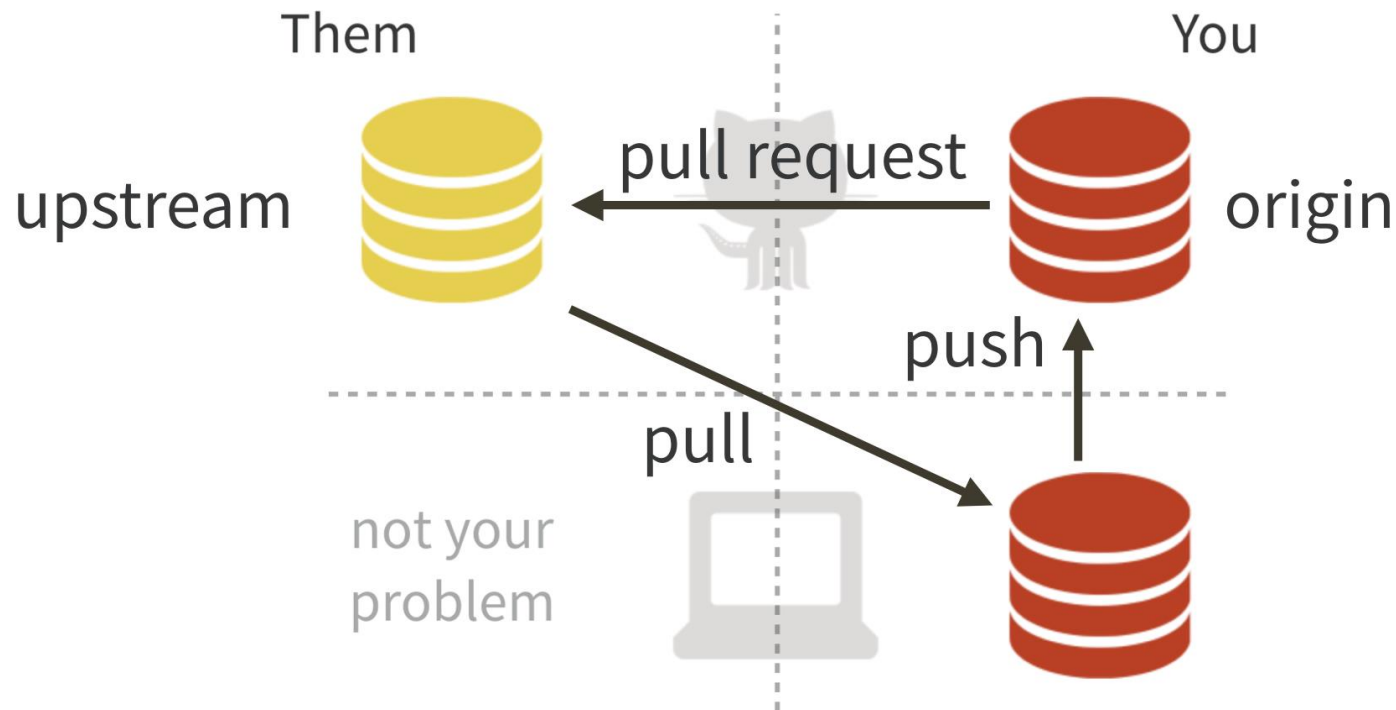


 CHEDY HAMMAMI

- **fork**
 - 다른 깃허브 저장소(오픈 소스 프로젝트)를 복사하는 작업
- **upstream**
 - 타인의 (오픈소스 프로젝트)의 깃허브 저장소
- **Origin**
 - 나의 깃허브 저장소
 - **github에서 내 계정에 있는 fork한 저장소**
- **로컬 저장소**
 - 내가 자신의 컴퓨터에 복사한 지역 저장소

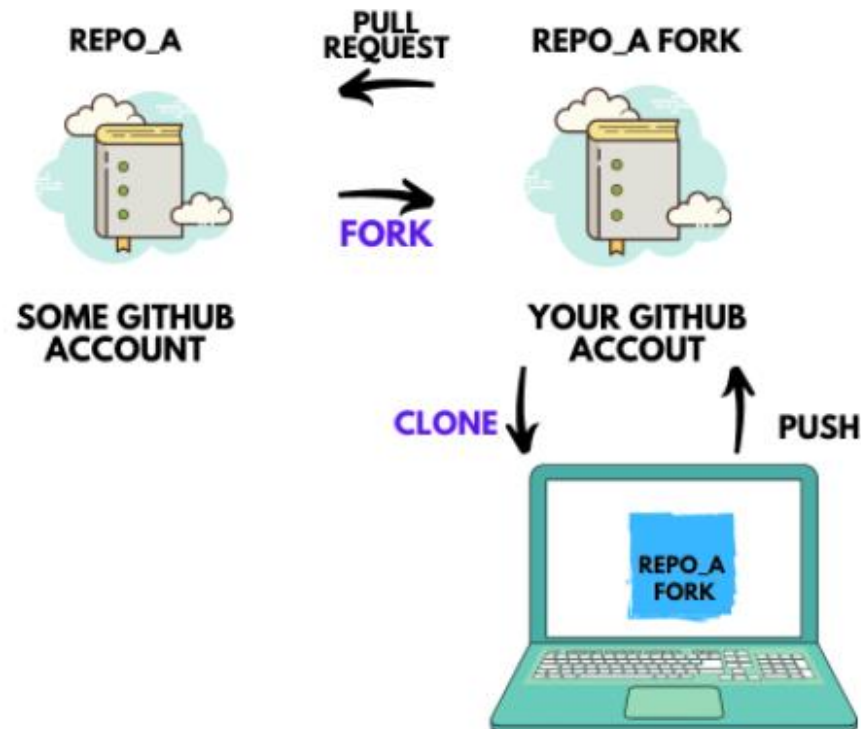


- 병합 요청 PR



get changes from the main repo

- 타인의 저장소에 '내가 수정한 내용'을 검토하고 병합하는 것을 요청(제안)하는 절차
 - Pull request(풀 요청)란 저장소 소유자를 노크하여
 - "내 변경 사항을 확인하고 원하는 경우 병합하십시오" 라는 의미
 - Upstream 담당자의 수락
 - 원래 저장소(upstream)에 변경 사항을 병합
 - 타인의 저장소에 기여(contributor)하게 됨



PR에 대한 issue 제기

깃과 깃허브 활용 Python language

New Issue · ai7dnn/2023-codespace · github에서 push나 PR(pull request)을 올릴 때

github.com/ai7dnn/2023-codespace/issues/new

ai7dnn / 2023-codespace

Type to search

<> Code Issues 2 Pull requests Actions Projects Wiki Security Insights Settings

이 저장소에 새로운 cheat sheet 올려주세요.

Write Preview

저장소의 CS(cheat sheet)를 위한 폴더는 다음과 같습니다.
좋은 CS를 찾아 다음 적당한 폴더에 저장하시고 PR로 올려주세요.

- PR을 올릴때 이 이슈와 연계하는 방법을 찾아(chatgpt 등) 연계하도록 해 주세요.

Name

- ..
- chatgpt
- git github
- jupyter
- markdown
- numpy pandas
- python
- vs code

Styling with Markdown is supported

Submit new issue

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone
No milestone

Development
Shows branches and pull requests linked to this issue.

Helpful resources
[GitHub Community Guidelines](#)

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02

Pull Request 수행

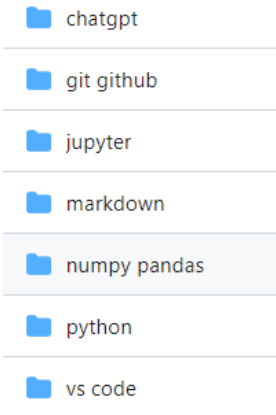
- 교수자 깃허브
 - 코드스페이스 저장소
 - [Github.com/ai7dnn/2023-codespae](https://github.com/ai7dnn/2023-codespae)

ai7dnn

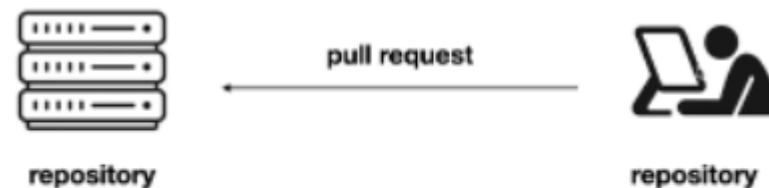
- 수강생 여러분
 - 교수의 코드스페이스 저장소 fork

chatkang

- 1. 구글링하여 새로운 cheat sheet 업로드
 - 다음 적당한 폴더 하부에



- 2. 교수 저장소에게 Pull Request
 - 자신의 저장소 수정을 교수의 저장소에 반영해 달라고 요청

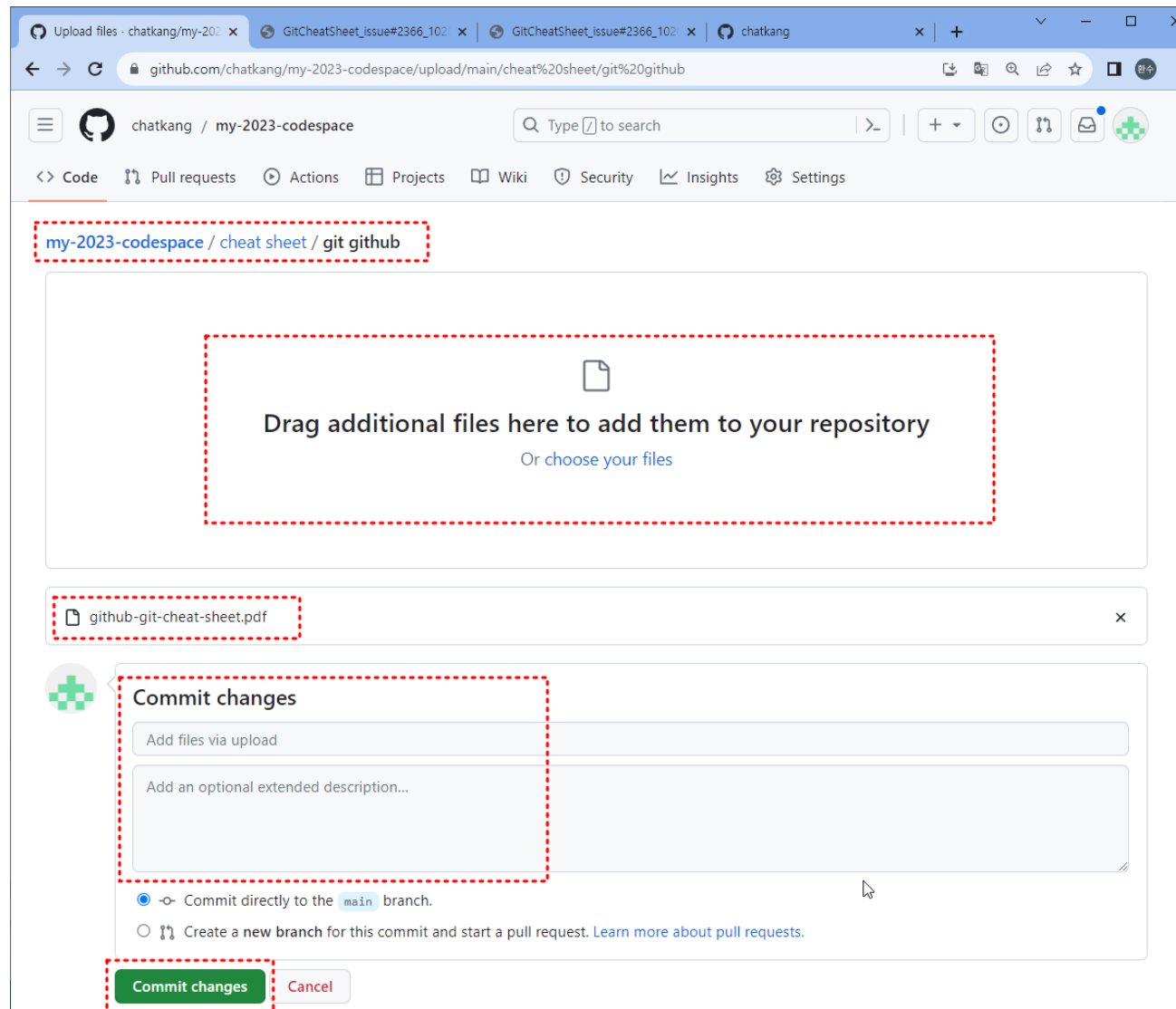


ref : <https://youtu.be/uvsz2XgRPfM>

1. cheat sheet을 자신의 저장소에 업로드

깃과 깃허브 활용 Python language

- 1. 먼저 찾은 cheat sheet을 Forked 된 자신의 저장소에 업로드 후 [Commit changes]



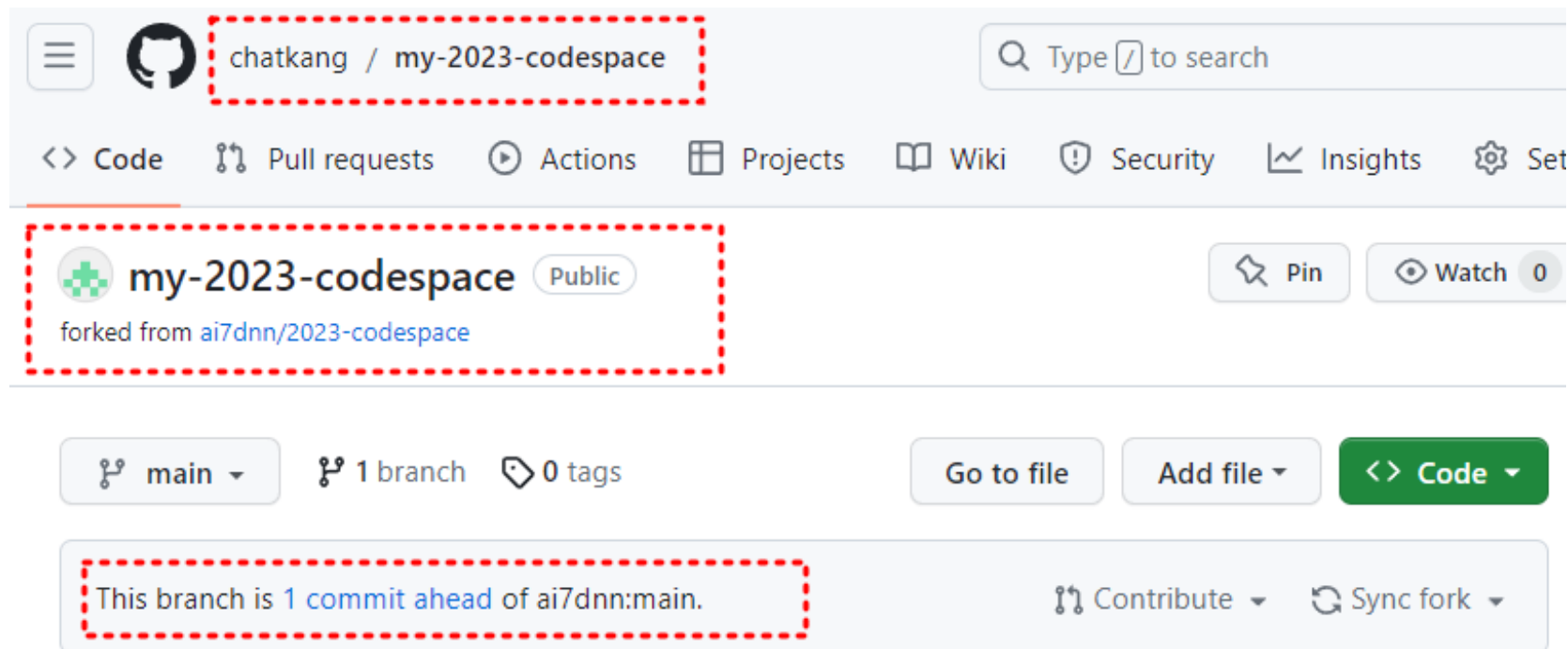
2. 현 상황 파악

깃과 깃허브 활용 Python language

- 파일 업로드 후
 - Contribute

Upstream보다 하나 더 수정이 되었음을 의미, 즉 파일을 업로드해서 upstream보다 진행이 된 상태이므로 기여를 요청할 수 있는 상황

- This branch is 1 commit ahead ai7dnn/2022-Sys-AnD:main.



3. Contribute

깃과 깃허브 활용 Python language

- Open pull request

The screenshot shows the GitHub interface for a repository named 'my-2023-codespace' by user 'chatkang'. The repository is a fork of 'ai7dnn/2023-codespace'. The 'main' branch is selected, and it is 1 commit ahead of the upstream 'ai7dnn:main'. A 'Contribute' button is highlighted with a red dashed box. A tooltip for the 'Contribute' button is shown, indicating that the branch is 1 commit ahead and providing instructions to open a pull request. The 'Open pull request' button in the tooltip is also highlighted with a red dashed box. The repository contains three files: 'cheat sheet', 'code', and 'notebooks'. The 'code' and 'notebooks' files are both dated 'day1'. The repository has 14 commits, with the latest commit made 2 minutes ago.

chatkang / my-2023-codespace

my-2023-codespace Public

forked from ai7dnn/2023-codespace

main 1 branch 0 tags

This branch is 1 commit ahead of ai7dnn:main.

Contribute

Sync fork

This branch is 1 commit ahead of ai7dnn:main.

Open a pull request to contribute your changes upstream.

Open pull request

chatkang Add files via upload

File	Commit
cheat sheet	Add files via upload
code	day1
notebooks	day1

14 commits

2 minutes ago

3 days ago

3 days ago

3. 파일 변화 확인

깃과 깃허브 활용 Python language

- 하단부에 다음 표시

The screenshot displays a GitHub commit interface. At the top, a summary bar shows '1 commit', '1 file changed', and '1 contributor'. Below this, the commit history for 'Aug 2, 2023' is shown, with a commit by 'chatkang' noted as 'committed 10 minutes ago'. The commit message is 'Add files via upload'. The file change section indicates 'Showing 1 changed file with 0 additions and 0 deletions.' and lists the file 'BIN +396 KB cheat sheet/git github/github-git-cheat-sheet.pdf'. A note at the bottom states 'Binary file not shown.'.

1 commit

1 file changed

1 contributor

Commits on Aug 2, 2023

Add files via upload

chatkang committed 10 minutes ago

Verified e0f2e49

Showing 1 changed file with 0 additions and 0 deletions.

Split Unified

✓ BIN +396 KB cheat sheet/git github/github-git-cheat-sheet.pdf

Binary file not shown.

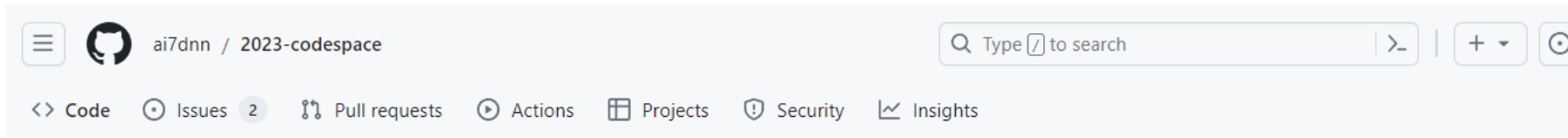
4. Create pull request

다음 파일 추가함.

깃과 깃허브 활용 Python language

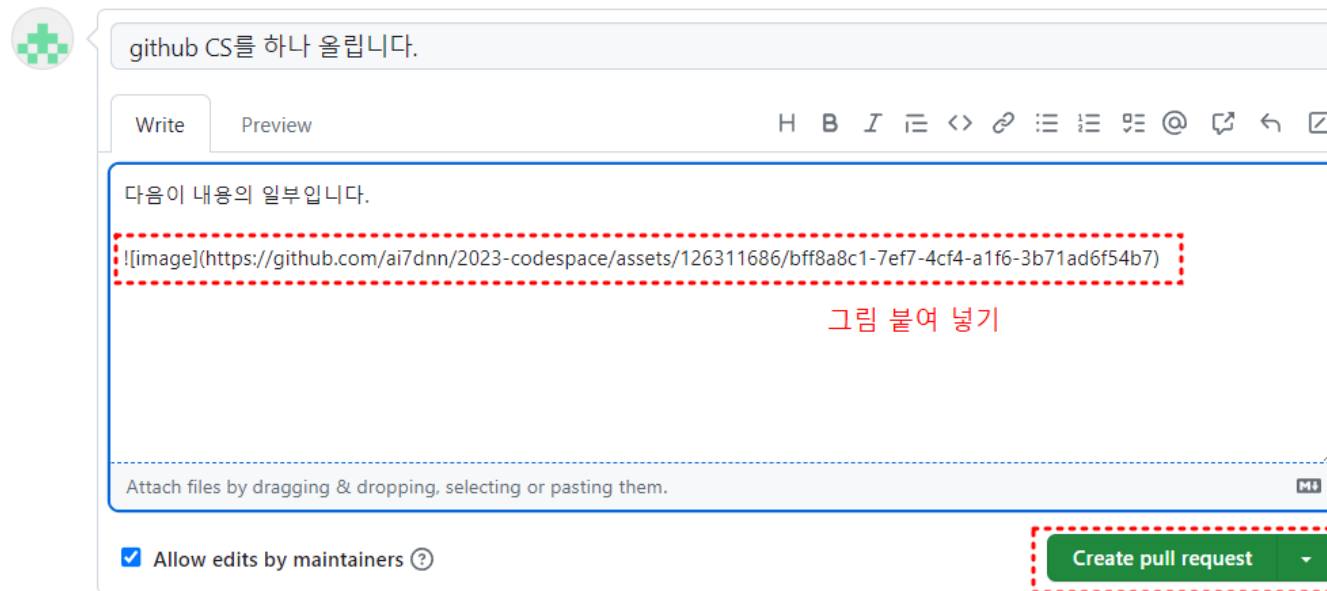
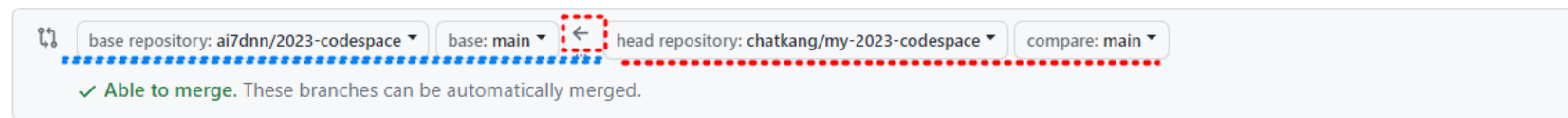
- PR에 대한 요청 내용을 기술

- 1조 졸업작품프로젝트 기획제안.pdf



Open a pull request

Create a new pull request by comparing changes across two branches. If you need to, you can also [compare across forks](#).



Remember, contributions to this repository should follow our [GitHub Community Guidelines](#).

5. PR 성공

깃과 깃허브 활용 Python language

- 확인

ai7dnn / 2023-codespace

Search Type to search

<> Code Issues 2 Pull requests 1 Actions Projects Security Insights

github CS를 하나 올립니다. #3

Open chatkang wants to merge 1 commit into ai7dnn:main from chatkang:main

Conversation 0 Commits 1 Checks 0 Files changed 1 +0 -0

chatkang commented now

다음은 내용의 일부입니다.

GitHub
Git Cheat Sheet

Reviewers
No reviews
Still in progress? Convert to draft

Assignees
No one assigned

Labels
None yet

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03

Upstream에서 병합

교수자(upstream)

깃과 깃허브 활용 Python language

• PR 확인

ai7dnn / 2023-codespace

Type to search

<> Code Issues 2 Pull requests 1 Actions Projects Wiki Security Insights Settings

2023-codespace Public

Unpin Unwatch 1 Fork 13 Star 4

main 1 branch 0 tags

Go to file Add file <> Code About

ai7dnn Add files via upload 5a1585a 15 hours ago 13 commits

Readme

ai7dnn / 2023-codespace

Type to search

<> Code Issues 2 Pull requests 1 Actions Projects Wiki Security Insights Settings

Label issues and pull requests for new contributors Dismiss

Now, GitHub will help potential first-time contributors discover issues labeled with good first issue

Filters is:pr is:open Labels 10 Milestones 3 New pull request

1 Open 0 Closed

Author Label Projects Milestones Reviews Assignee Sort

github CS를 하나 올립니다.
#3 opened 2 minutes ago by chatkang

PR 내용 확인 1

깃과 깃허브 활용 Python language

github CS를 하나 올립니다. by c x +

github.com/ai7dnn/2023-codespace/pull/3

ai7dnn / 2023-codespace

Type / to search

<> Code Issues 2 Pull requests 1 Actions Projects Wiki Security Insights Settings

github CS를 하나 올립니다. #3

Open chatkang wants to merge 1 commit into ai7dnn:main from chatkang:main

Conversation 0 Commits 1 Checks 0 Files changed 1 +0 -0

chatkang commented 7 minutes ago

First-time contributor

다음이 내용의 일부입니다.

GitHub
Git Cheat Sheet

Git is the open source distributed version control system that facilitates GitHub activities on your laptop or desktop. This cheat sheet summarizes commonly used Git command line instructions for quick reference.

Install
GitHub for Windows
<https://windows.github.com>

Create repositories
When starting out with a new repository, you only need to do it once; either locally, then push to GitHub, or by cloning an

Reviewers
ai7dnn
Still in progress? Convert to draft

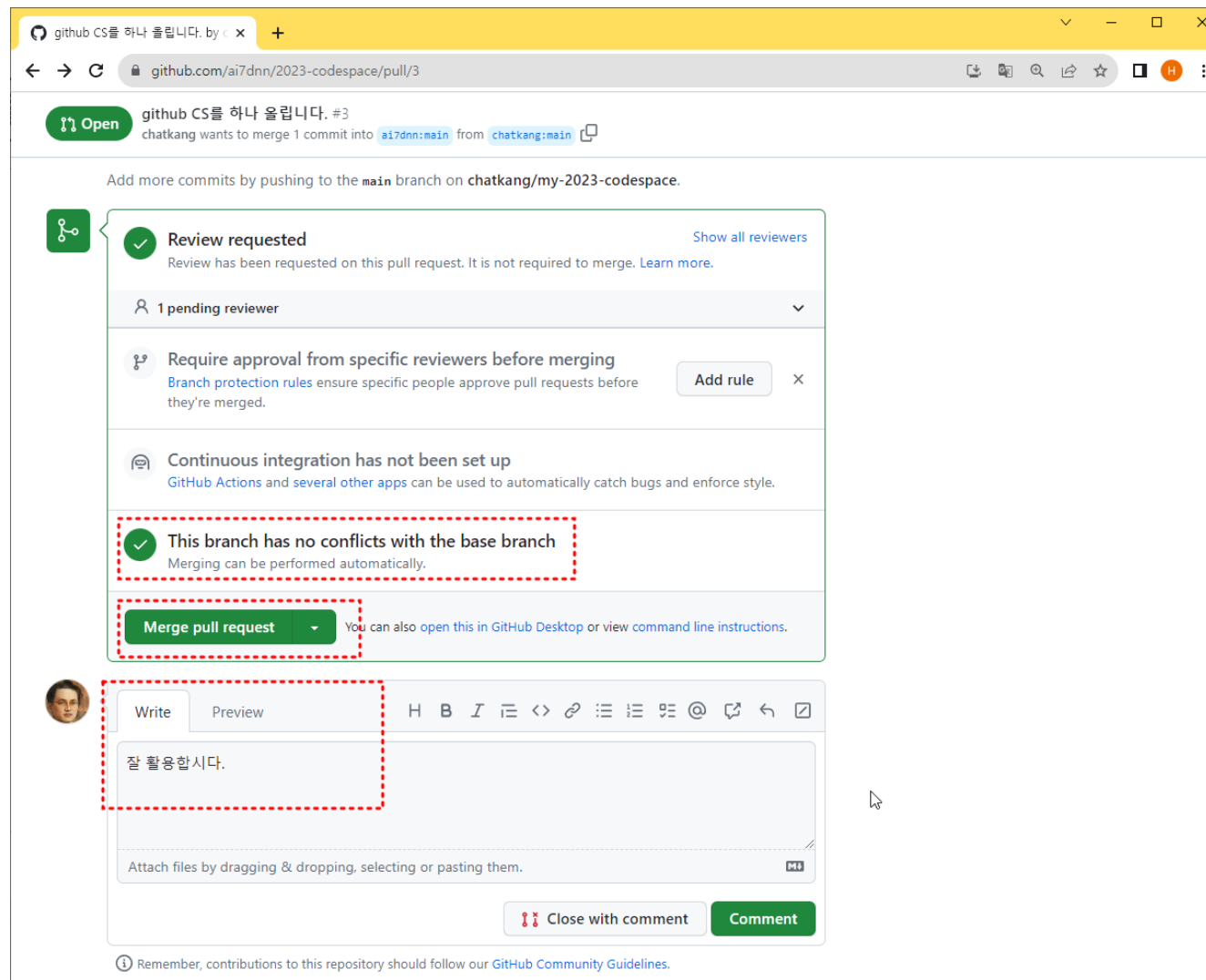
Assignees
ai7dnn

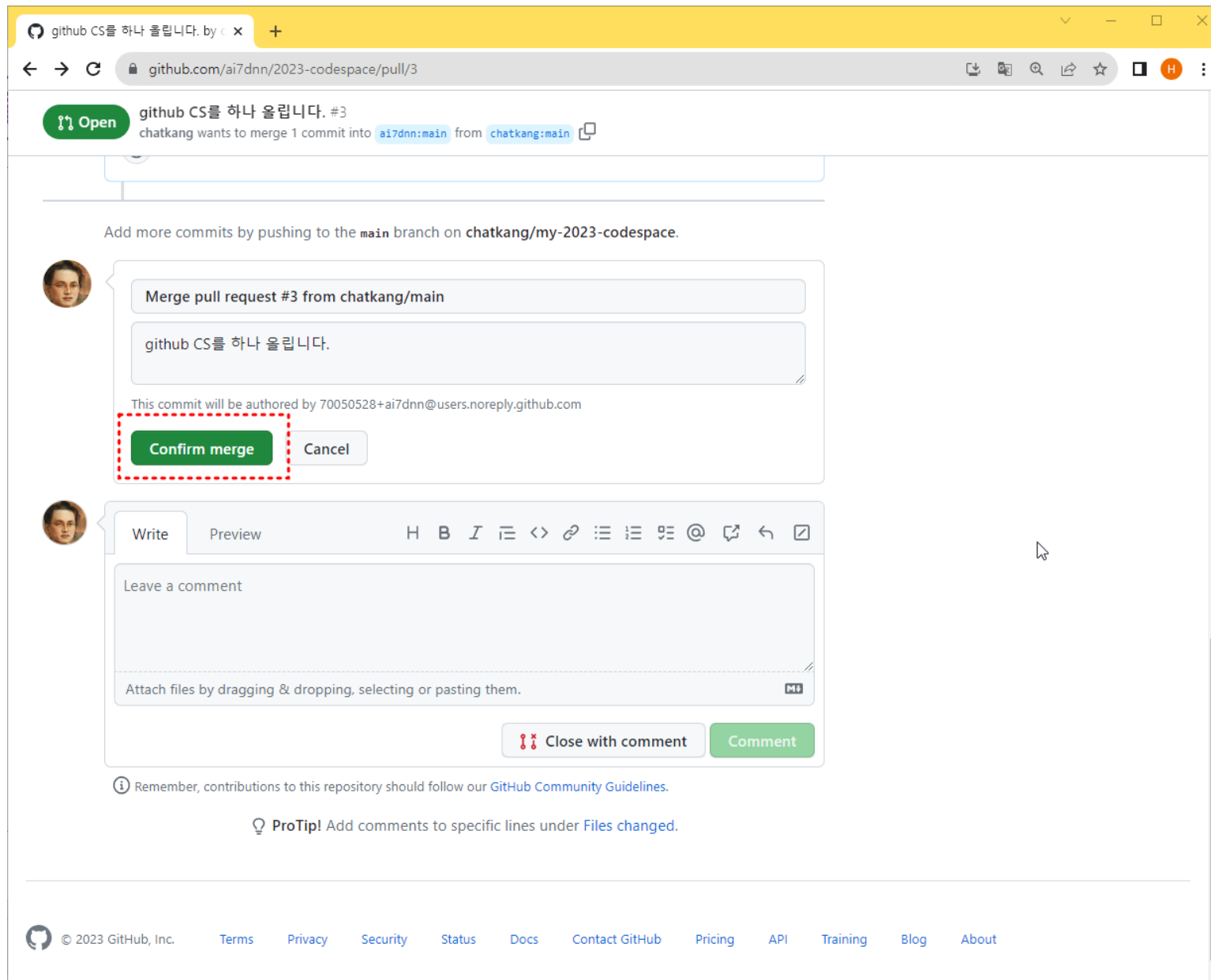
Labels
enhancement

Projects
None yet

- **Merger pull request -> Confirm merge**

- 풀 리퀘스트를 남긴 사람과 코멘트를 주고 받을 수도 있고
- 풀 리퀘스트를 반려(취소)도 가능





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04

기여자의 확인과 sync

다시 sync 필요

깃과 깃허브 활용 Python language

The screenshot shows a GitHub repository page for 'chatkang/my-2023-codespace'. The repository is a fork of 'ai7dnn/2023-codespace'. The main branch is 'main'. The repository is public and has 13 forks and 0 stars. The repository description is '2023 여름 단기특강 23.08.01월-08.04금'. The repository contains a README, MIT license, and Activity. The repository is currently 1 commit behind the upstream 'ai7dnn:main' branch. The 'Sync fork' button is highlighted with a red dashed box. The repository also has a 'Contribute' button. The repository is currently 1 commit behind the upstream 'ai7dnn:main' branch. The repository also has a 'Contribute' button. The repository is currently 1 commit behind the upstream 'ai7dnn:main' branch. The repository also has a 'Contribute' button.

File	Commit	Time
chatkang Add files via upload	e0f2e49	37 minutes ago
cheat sheet	Add files via upload	37 minutes ago
code	day1	3 days ago
notebooks	day1	3 days ago
ppt	Add files via upload	16 hours ago
.gitignore	Initial commit	4 days ago
Desktop.ini	day1	3 days ago

Update branch

깃과 깃허브 활용 Python language

The screenshot shows a GitHub repository page for 'chatkang / my-2023-codespace'. The repository is public and forked from 'ai7dnn/2023-codespace'. The main branch is 'main', and there is 1 branch and 0 tags. A notification states 'This branch is 1 commit behind ai7dnn:main.' and 'This branch is out-of-date'. The notification text says: 'Update branch to keep this branch up-to-date by syncing 1 commit from the upstream repository. Learn more'. Below the notification is a 'Compare' button and a green 'Update branch' button, which is highlighted with a red dashed box and a hand cursor. The repository contains files: 'cheat sheet' (Add files via upload), 'code' (day1), 'notebooks' (day1), 'ppt' (Add files via upload), '.gitignore' (Initial commit, 4 days ago), and 'Desktop.ini' (day1, 3 days ago). The right sidebar shows 'About' (2023 여름 단기특강 23.08.01월-08.04금), 'Readme', 'MIT license', 'Activity', '0 stars', '0 watching', '13 forks', and 'Releases' (No releases published, Create a new release).

파일 push 확인

깃과 깃허브 활용 Python language

The screenshot shows a web browser window displaying a GitHub repository page for 'my-2023-codespace'. The browser's address bar shows the URL 'github.com/chatkang/my-2023-codespace/tree/main/cheat%20sheet/git%20github'. The repository name 'my-2023-codespace / cheat sheet / git github' is visible in the breadcrumb. A search bar with the text 'Go to file' and an 'Add file' button are present. Below the repository name, there is a section for 'chatkang' with the text 'Add files via upload' and a commit hash 'e0f2e49' followed by '41 minutes ago' and a 'History' link. A status bar indicates 'This branch is up to date with ai7dnn/2023-codespace:main' and includes 'Contribute' and 'Sync fork' buttons. A table lists the repository's files and their commit history. The file 'github-git-cheat-sheet.pdf' is highlighted with a red dashed border, showing its commit message 'Add files via upload' and the time '41 minutes ago'. Other files listed include 'Git cheat sheet light (FINAL).png', 'Git-Cheat-Sheet.webp', 'SWTM-2088_Atlassian-Git-Cheatsheet.pdf', 'cheatSheet.png', 'git-Cheat-Sheet_Wall-Skills1.pdf', 'git-Cheat-Sheet_Wall-Skills1.png', 'git-cheat-sheet-education.pdf', 'git-cheat-sheet.pdf', 'git-cheat-sheet.svg', 'git-cheatsheet.pdf', 'git-commands-cheat-sheet-by-pnap-v2.pdf', and 'images_git.png'. All other files show a commit message of 'day1' and a time of '3 days ago'.

Name	Last commit message	Last commit date
..		
Git cheat sheet light (FINAL).png	day1	3 days ago
Git-Cheat-Sheet.webp	day1	3 days ago
SWTM-2088_Atlassian-Git-Cheatsheet.pdf	day1	3 days ago
cheatSheet.png	day1	3 days ago
git-Cheat-Sheet_Wall-Skills1.pdf	day1	3 days ago
git-Cheat-Sheet_Wall-Skills1.png	day1	3 days ago
git-cheat-sheet-education.pdf	day1	3 days ago
git-cheat-sheet.pdf	day1	3 days ago
git-cheat-sheet.svg	day1	3 days ago
git-cheatsheet.pdf	day1	3 days ago
git-commands-cheat-sheet-by-pnap-v2.pdf	day1	3 days ago
github-git-cheat-sheet.pdf	Add files via upload	41 minutes ago
images_git.png	day1	3 days ago