

# Methods to Contribute to SFFAI AIKT

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Welcome to contribute the project called Artificial Intelligence Knowledge Tree, Student Forums on Frontiers of Artificial Intelligence (SFFAI AIKT). In order to add content in AIKT project, we strongly suggest you to read the instructions as follows. We are trying our best to make it easy for everyone to contribute themselves in this project. Of course we know there are many talented contributors having their outstanding method to construct an open-resource project. Due to the limited capacity of the originator, ways to contribute to AIKT may not be the optimum solution. As a result, if you have any better plan for contributing to AIKT, please feel free to contact [EriC. MA](#) by email.

## 1. Initialization

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To start contributing, make sure that you have a [GitHub](#) account. As we all know, GitHub is a quite popular online platform to collect open-resource codes and projects especially in Computer Science Area. We assure you that contributing yourself in GitHub is a great way to communicate with various outstanding people in CS. Area.

It is pretty easy to sign up an account in GitHub. A valid email is necessary to sign up a GitHub account and the password in GitHub can be different from that in your email.

Imagine that you have already had a GitHub account and we can continue to do the next step.

## 2. Clone the latest version of AIKT

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Suppose that you are a researcher or a student focusing on Natural Language Processing and you want to contribute to SFFAI\_AIKT-NLP, you can clone the repository to your local computer with the following steps.

1. First open the [repository](#) in your browser.
2. Fork the repository.
3. Clone your forked repository

```
# Replace <your-github-name> to your GitHub Account name.  
# e.g., if your GitHub Account name is EriCongMa, you should type:  
# git clone https://github.com/EriCongMa/AIKT-Natural_Language_Processing  
git clone https://github.com/<your-github-name>/AIKT-  
Natural_Language_Processing
```

After cloning the repository in your own computer, you can edit the file in your local computer anytime and anywhere even without an Internet connection. It's quite convenient, right?

### 3. Making Changes

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Since you have already copied the repository in your own PC, you can open it in your terminal.

```
cd AIKT-Natural_Language_Processing
```

Check the branch that you are in.

```
git brach
```

You are in the **master** branch. If the output is about '\* master'. You can edit the files now. However, you can't push the changes to GitHub because you don't have permission to change in **master** branch unless you are one of the contributors in this repository. In order to change the file on GitHub, you need to transfer yourself from **master** branch to a sub-branch.

Create a new sub-branch named 'work'.

```
# git checkout -b <sub-brach-name> master  
git checkout -b work master
```

After doing that, you can check which branch you are in and the output should be the sub-branch you have created.

```
git branch
```

Then, you can change any file as you want. You can also add new files, new folders.

### 4. Push changes to GitHub

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Suppose that you have already finished changes. It's time to push your contributions to GitHub Web.

To make things easy to say, we imagine that you add a line *'Hello world'* in 'README.md' file.

You can see what you have changed.

```
git status
```

The output will show you what you have changed. To add your changes to queue that is waiting to be upload to GitHub, you can use the command.

```
# add the changes to add queue.  
git add .  
# raise a commit to clarify what you are going to change.  
git commit -m 'Hello_world-change by <your name>'  
# Last step in terminal, push your commit to GitHub Web.  
git push --set-upstream origin work
```

## 5. Pull Request in your GitHub Website

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After doing things as afore mentioned, it's time to open your browser and log in GitHub.

Go and find pull request to pull a request from your branch to **master** branch.

## 6. Waiting to be Merged

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The contributors of this project can see your 'pull request' and check whether it has conflicts with the current version and merge it to **master** branch.