Data Science Specialization

GitHub - Setup

Version control system

1. Account Create / Login
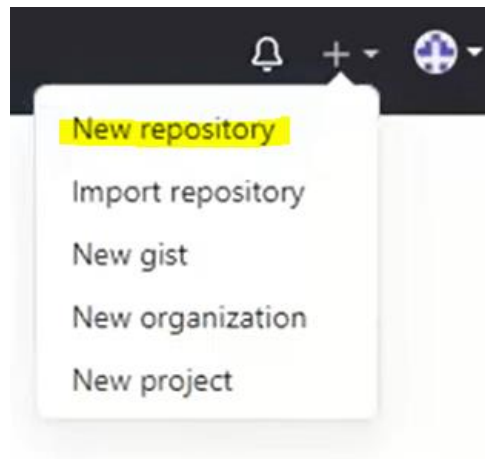
2. New Repository

CREATE A REPOSITORY

- Storage space for your project

- GitHub is a very popular central repository that allows you to share your files

- Push your local repo into GitHub and share it with other collaborators via the central repo

Owner *   Repository name *

🔹 Kavyatolety ▾   /   Edureka   ✓

Great repository names are short and memorable. Need inspiration? How about **psychic-goggles**?

Description (optional)

This is first repository

◉ Public
Anyone on the internet can see this repository. You choose who can commit.

○ Private
You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

☐ Add a README file
This is where you can write a long description for your project. Learn more.

☐ Add .gitignore
Choose which files not to track from a list of templates. Learn more.

☐ Choose a license
A license tells others what they can and can't do with your code. Learn more.

Create repository
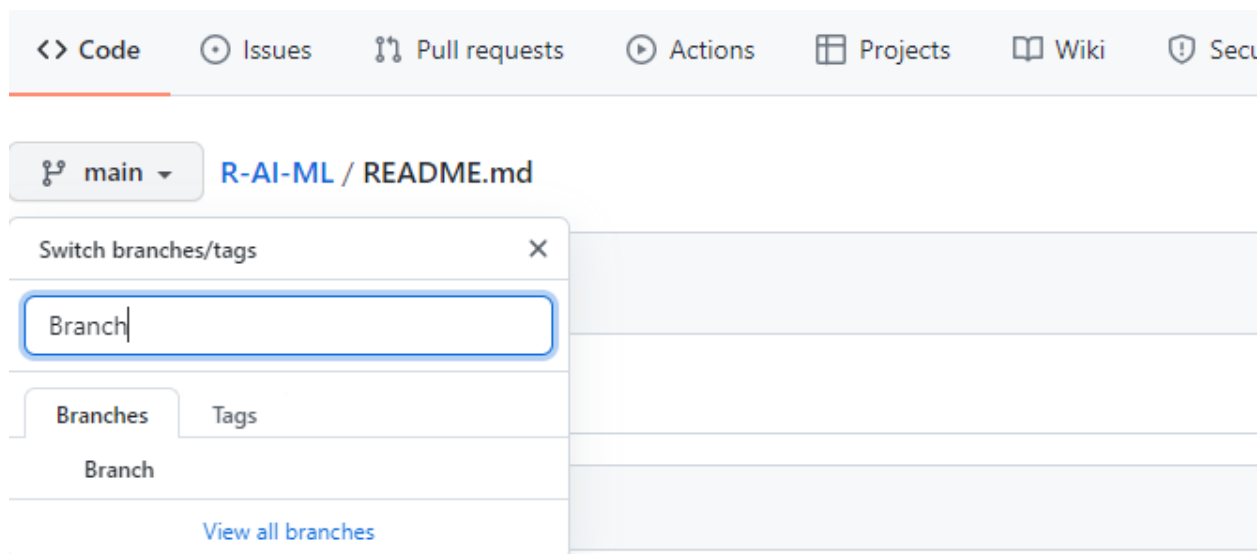
Data Science Specialization
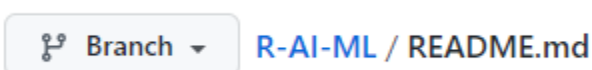
3. Create a Branch

CREATE A BRANCH

- Branches allow you to work on other features

- They can be included with the main line of your project

- The main branch – the one where all changes eventually get merged back into, and is called master

Created branch

4. Make a Commit

MAKE A COMMIT

- Records changes to one or more files in your branch

- Git assigns each commit a unique ID, called a SHA or hash, that identifies: The specific changes

Branch ▾   R-AI-ML / README.md   Go to file   ⋯

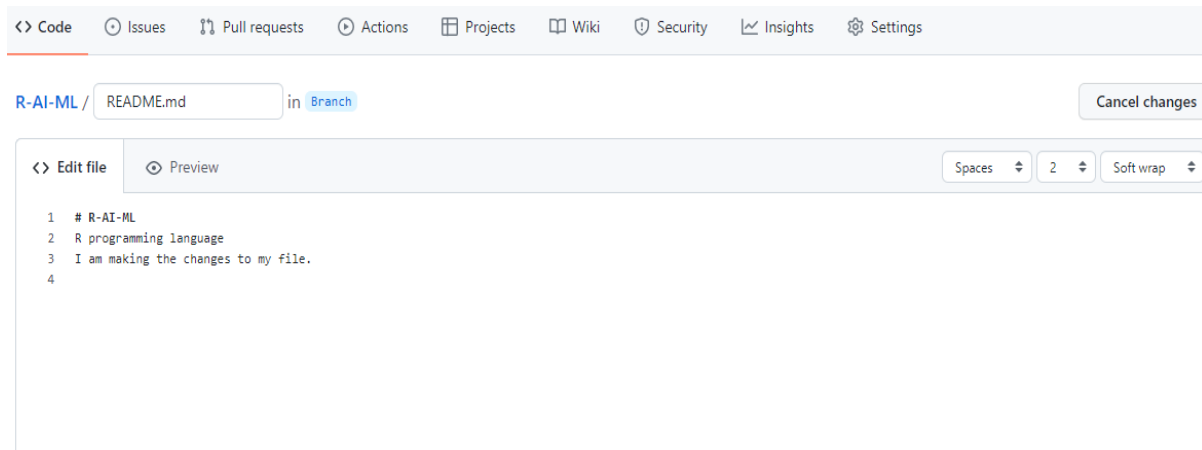raghu1730 Initial commit   Latest commit 3d05b1f 1 hour ago   🕘 History

👥 1 contributor

2 lines (2 sloc) | 34 Bytes   <> 📄 Raw Blame 🖥 📋 ✏️ 🗑

R-AI-ML

R programming language

Click on the pencil to go into edit mode and add any changes. As show in below figure.

Data Science Specialization

<> Code   ⊙ Issues   ⇊ Pull requests   ▷ Actions   ⊞ Projects   ▭ Wiki   ⛉ Security   ⋌ Insights   ⚙ Settings

R-AI-ML / README.md   in Branch   Cancel changes

<> Edit file   ⊙ Preview   Spaces ⇕   2 ⇕   Soft wrap ⇕

```
1   # R-AI-ML
2   R programming language
3   I am making the changes to my file.
4
```

Attach files by dragging & dropping, selecting or pasting them.

Commit changes

Update README.md

Add an optional extended description...

◉ -○- Commit directly to the Branch branch.

○ ⇊ Create a **new branch** for this commit and start a pull request. Learn more about pull requests.

Commit changes   Cancel

By commit change your changes will be save into Branch. Your can add comments to know what changes your making.

Note: If you switch to main branch the changes are not implemented to my master branch.

Data Science Specialization

Now to view the HISTORY of changes made, click on History in your Branch.

History for **R-AI-ML** / **README.md**

Commits on Apr 2, 2022

| Update README.md | | | |
| raghu1730 committed 2 minutes ago | Verified | 0130076 | |

| Initial commit | | | |
| raghu1730 committed 1 hour ago | Verified | 3d05b1f | |

5. Open & Merge Pull Request.

OPEN & MERGE PULL REQUEST
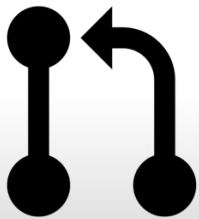
- Notifies developers about changes you've pushed to a branch in a repository

- Acknowledge and review changes

- You can create a pull request on GitHub in 2 ways

Note: From Master/Main branch click Pull requests.

<> Code   ⊙ Issues   ⁑ Pull requests   ⊙ 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`

⑂ Branch had recent pushes 9 minutes ago   **Compare & pull request**

Filters ⌄   Q is:pr is:open   🏷 Labels 9   ⑂ Milestones 0   **New pull request**

Data Science Specialization

Note: Comparing Master/Main to Branch to see the changes.

Note: You will see change with red and green color, Now I can create the pull request by clicking create pull request.

From below image, you can now merges change from branch to main/master branch

Update README.md #1

⌁ Open   raghu1730 wants to merge 1 commit into `main` from `Branch` ⎘

💬 Conversation 0   ⊶ Commits 1   ☰ Checks 0   ⊞ Files changed 1

raghu1730 commented in 3 minutes   Owner ☺ ···

No description provided.

⊶ 👤 Update README.md   Verified   0130076

Add more commits by pushing to the `Branch` branch on **raghu1730/R-AI-ML**.

⑂ 🤖 **Continuous integration has not been set up**
GitHub Actions and several other apps can be used to automatically catch bugs and enforce style.

✅ **This branch has no conflicts with the base branch**
Merging can be performed automatically.

Merge pull request ▾   You can also open this in GitHub Desktop or view command line instructions.

Write   Preview   H B I ≔ <> 🔗 ☰ ⩴ ☑ @ 🗗 ↩▾

Update README.md #1

⑂ Merged   raghu1730 merged 1 commit into `main` from `Branch` ⎘ in 3 minutes

💬 Conversation 0   ⊶ Commits 1   ☰ Checks 0   ⊞ Files changed 1

raghu1730 commented in 1 minute   Owner ☺ ···

No description provided.

⊶ 👤 Update README.md   Verified   0130076

⑂ 👤 **raghu1730** merged commit `3a77e77` into `main` in 3 minutes   Revert

⑂ **Pull request successfully merged and closed**   Delete branch
You're all set—the `Branch` branch can be safely deleted.

Data Science Specialization

<u>Resources:</u>

To create the GitHub account, visit the url: [Sign in to GitHub · GitHub](#)

Project Board in Class