

# Convert Your Jupyter-notebook to Github pages with Github-action



Vivek-0206 · Following

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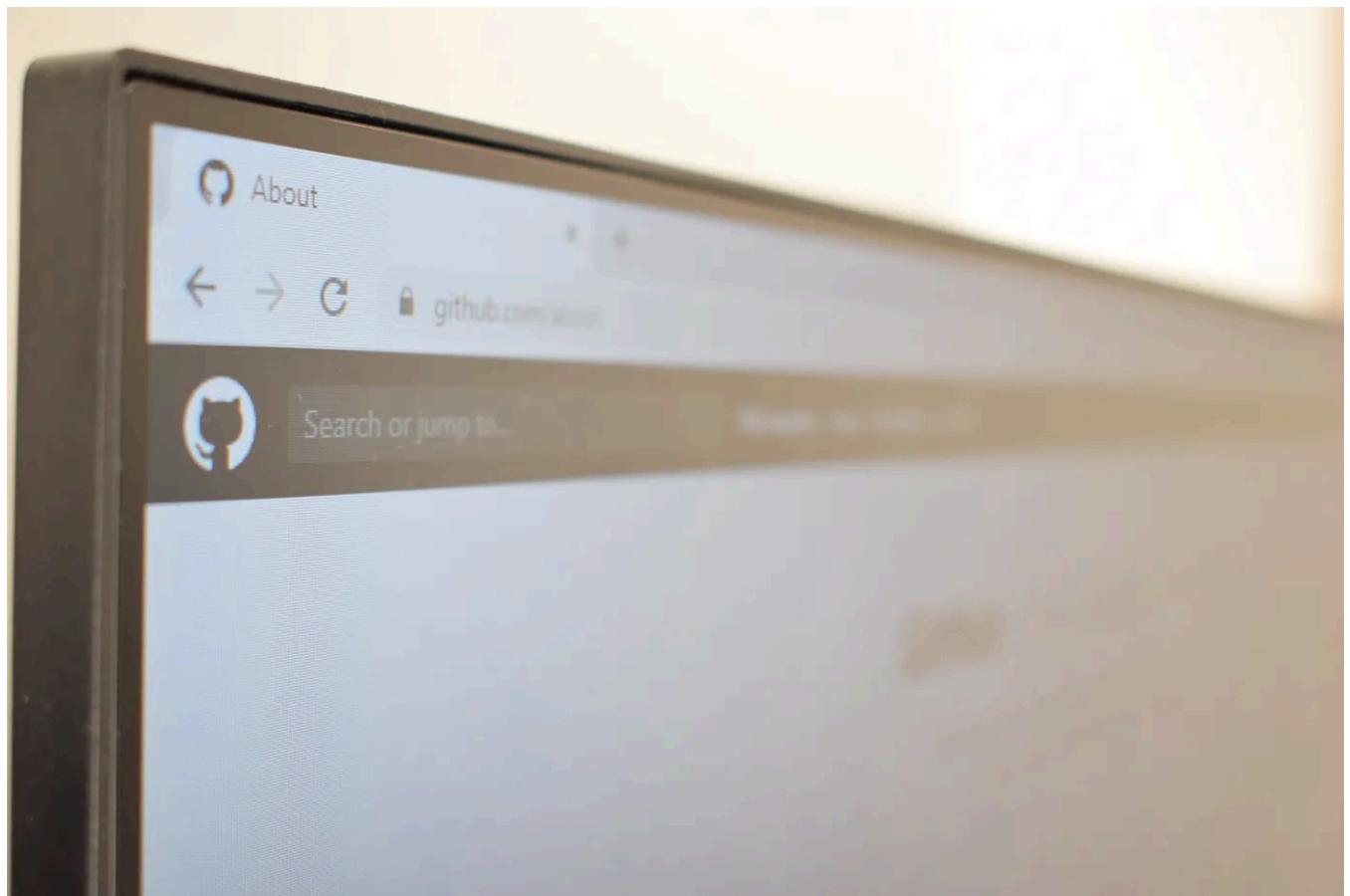


Photo by [Ricky Great](#) on [Unsplash](#)

As a data scientist and machine learning engineer, the Jupyter notebook is handy tools you can use.

How cool if you convert that notebook into a blog within less than 5 min?

And now this is possible with [Github](#) action and [Fastpages](#) templates.



Photo by [fastai/fastpages](#) on Github

You can find a live demo [here](#).

## 1. Requirement

- [Github](#) account

Open in app ↗

The screenshot shows the GitHub repository page for `fastai/fastpages`. At the top, there's a navigation bar with links for Code, Issues (3), Pull requests, Actions, Projects, Wiki, Security, and Insights. Below the navigation is a search bar and a user profile icon. The main content area shows a message 'Use this GitHub Action with your project' with a 'View on Marketplace' button. A green button labeled 'Use this template' is highlighted with a black rectangle. Below this, there's a list of recent commits:

Author	Commit Message	Date	Commits
hamelsmu	Merge pull request #440 from meinzer1899/fix-shellcheck-findings	2 days ago	1,082
	Update setup.yaml	12 days ago	
	Revert formatting.	2 days ago	
	Add files via upload	15 days ago	
	Fix for CWE-1022 CWE-200	14 days ago	
	fix post ordering	6 months ago	
	add dataclass footnote	28 days ago	
	Update about.md	2 months ago	
	edited plugin	8 months ago	

On the right side, there are sections for 'About', 'fastpages.fast.ai', 'data-scienc...', 'Readme', 'Apache-2.0 License', 'Releases (27)', and 'Improvements to styling (Latest)'.

- Within 30 sec one pull request is generated by Github-action. Follow steps before you merge the pull request.

## Before you merge this PR

1. Create an ssh key-pair. Open [this utility](#). Select: RSA and 4096 and leave Passphrase blank. Click the blue button Generate-SSH-Keys .
2. Navigate to [this link](#) and click Add a new secret . Copy and paste the Private Key into the Value field. This includes the "---- BEGIN RSA PRIVATE KEY---" and "--END RSA PRIVATE KEY--" portions. In the Name field, name the secret SSH\_DEPLOY\_KEY .
3. Navigate to [this link](#) and click the Add deploy key button. Paste your Public Key from step 1 into the Key box. In the Title , name the key anything you want, for example fastpages-key . Finally, make sure you click the checkbox next to Allow write access (pictured below), and click Add key to save the key.



### Allow write access

Can this key be used to push to this repository? Deploy keys always have pull access.

## What to Expect After Merging This PR

- GitHub Actions will build your site, which will take 2-3 minutes to complete. **This will happen anytime you push changes to the master branch of your repository.** You can monitor the logs of this if you like on the [Actions tab of your repo](#).
- Your GH-Pages Status badge on your README will eventually appear and be green, indicating your first sucessfull build.
- You can monitor the status of your site in the GitHub Pages section of your [repository settings](#).

If you are not using a custom domain, your website will appear at:

- Make sure you check this **Allow write access**.
- Merge pull request and wait until Github-action makes Github pages.
- Now you find a link in your Github repo readme file where you can find demo posts.

## 3. Change name and description

- You can find the \_config.yml file under the master/main branch in your Github repo.
- Open file in edit mode.
- Change name and description as your own purpose.

117 lines (98 sloc) | 3.43 KB

Raw Blame   

```
1 # Welcome to Jekyll!
2 #
3 # This config file is meant for settings that affect your whole blog.
4 #
5 # If you need help with YAML syntax, here are some quick references for you:
6 # https://learn-the-web.algonquindesign.ca/topics/markdown-yaml-cheat-sheet/#yaml
7 # https://learnxinyminutes.com/docs/yaml/
8
9 title: fastpages
10 description: An easy to use blogging platform with support for Jupyter Notebooks.
11 github_username: fastai
12 # you can comment the below line out if your repo name is not different than your baseurl
13 github_repo: "fastpages"
14
15 # OPTIONAL: override baseurl and url if using a custom domain
16 # Note: leave out the trailing / from this value.
17 url: "https://fastpages.fast.ai" # the base hostname & protocol for your site, e.g. http://example.com
18
19 #####
20 ##### Special Instructions for baseurl #####
21 #
22 #### Scenario One: If you do not have a Custom Domain ####
23 # - if you are not using a custom domain, the baseurl *must* be set to your repo name
24 #
25 #### Scenario Two: If you have a Custom Domain ####
26 # 1. If your domain does NOT have a subpath, this leave this value as ""
27 # 2. If your domain does have a subpath, you must preceed the value with a / and NOT have a / at the end.
```

- You can also add your social links as well in this file.

```
29 #
30 #     "" is valid
31 #     "/blog"      is valid
32 #     "/blog/site/" is invalid ( / at the end)
33 #     "/blog/site"  is valid
34 #     "blog/site"   is invalid ( because doesn't begin with a /)
35 #
36 # 3. You must replace the parameter 'baseurl' in _action_files/settings.ini with the same value as you set here but WITHOUT QUOTES.
37 #
38 baseurl: "" # the subpath of your site, e.g. "/blog".
39
40 # Github and twitter are optional:
41 minima:
42   social_links:
43     twitter: fastdotai
44     github: fastai
45
46 # Set this to true to get LaTeX math equation support
47 use_math:
48
49 # Set this to true to display the summary of your blog post under your title on the Home page.
50 show_description: true
51
52 # Set this to true to display image previews on home page, if they exist
53 show_image: false
54
55 # Set this to true to turn on annotations with hypotheses.is (https://web.hypothes.is/)
56 annotations: false
57
58 # Set this to true to display tags on each post
59 show_tags: true
60
61 # Add your Google Analytics ID here if you have one and want to use it
62 google_analytics: UA-57531313-5
63
64 exclude:
65   - docker-compose.yml
66   - action.yml
67   - Makefile
```

## 4. How to add your own notebook?

- Besides notebook, you can add markdown and word file as well.
- Make sure you add that stuff directly into the master branch.
- Add your notebook, markdown, and word file into `_notebook`, `_posts`, and `_word` folder accordingly with the right name format.

The screenshot shows a GitHub repository page for a project named 'fastpages'. At the top, there's a banner with a 'Use this GitHub Action with your project' button and a 'View on Marketplace' button. Below the banner, the repository details are shown: 'master' branch (highlighted with a red box), 5 branches, 27 tags, 'Go to file', 'Add file', 'Code', and 'Use this template' buttons. The main area displays a list of commits. A commit from 'hamelsmu' is highlighted with a yellow background: 'Merge pull request #433 from byteshiva/patch-1' (288c552, 5 days ago, 1,078 commits). Below it is a commit from 'hamelsmu': 'Update setup.yaml' (6 days ago). Other commits include 'change permissions' (17 days ago), 'Add files via upload' (10 days ago), 'Fix for CWE-1022 CWE-200' (8 days ago), 'fix post ordering' (6 months ago), 'add dataclass footnote' (22 days ago), 'Update about.md' (2 months ago), 'edited plugin' (7 months ago), 'link to Knuth' (last month), 'removed display:block from table' (last month), 'added Word doc' (7 months ago), 'set binder to true' (7 months ago), 'git rid of irrelevant files' (last month), and 'Update .devcontainer.json' (last month). On the right side, there are sections for 'About', 'Releases' (with 27 releases, latest being 'Improvements to styling' on Sep 6), 'Packages' (no packages published), and 'Contributors' (32 contributors).

- You can read [here](#) more about the name format and other documentation.
- If you want to use a local image, upload all images into the images folder in the master branch.

*Happy blogging*

Originally published at <https://vivek2509.blogspot.com> on October 24, 2020.

Github Pages

Github Actions

Data Science

Jupyter Notebook

Markdown



Following



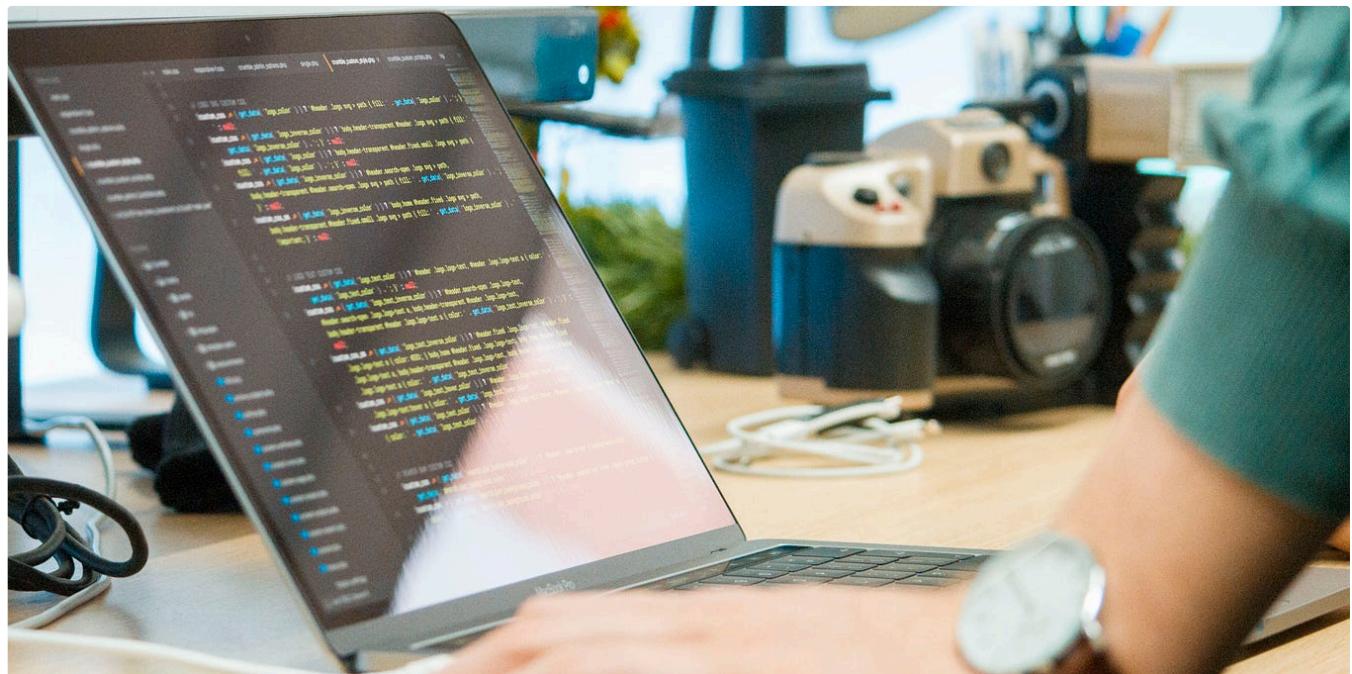
## Written by Vivek-0206

16 Followers · Writer for Analytics Vidhya

|| AI/ML enthusiast || Web dev with ❤️ in photography 📸 . || <https://github.com/Vivek-0206> || <https://patelvivek.dev>

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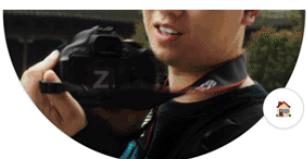


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## Mofei Zhu

zmofei

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### Highlights

\* Arctic Code Vault Contributor

Developer Program Member

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### About Me

I'm Mofei, A full-stack engineer since 2010, currently working on data processing pipelines at @mapbox

### Tech Stack



### GitHub Analytics

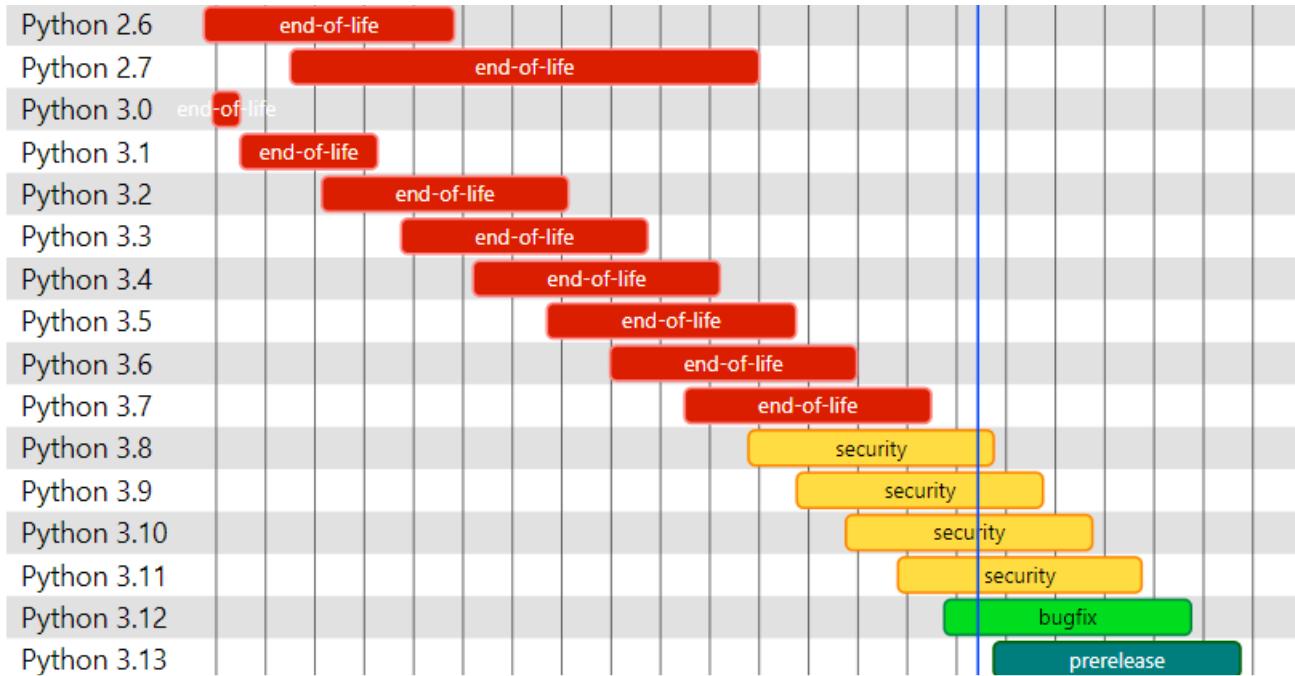


Mofei Zhu

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May 16 1

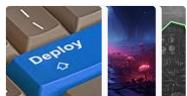


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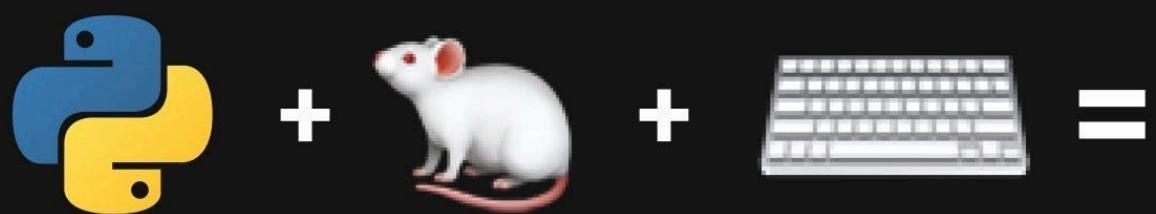
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