



CONTRIBUTING TO FOSS

@pavithraes
PyLadies AMS Meetup 2021

TABLE OF CONTENTS

01



What is
FOSS?

02



Why
Contribute?

03




How to
Contribute?

04




Your first
FOSS
contribution!

HI! I'M PAVITRA :)

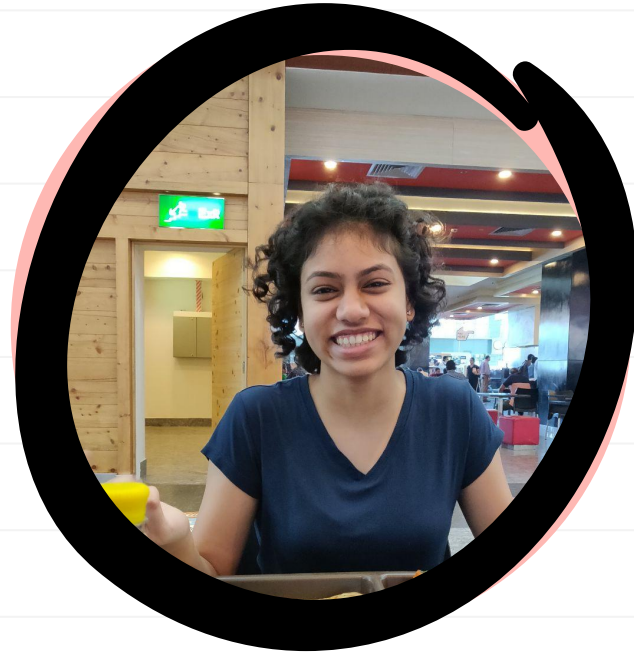
 Evangelism Intern at Coiled

 Core Team at Bokeh

 GSoC+Outreachy Admin at
Wikimedia

 Ex-GSoD writer

 Student



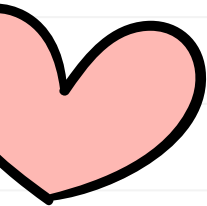
WHAT IS FREE AND OPEN SOURCE SOFTWARE?

FREE or “LIBRE”

software license
study, share, and modify

OPEN SOURCE

source code is public



IS IT IMPORTANT?

WHY?



WHAT IS FREE AND OPEN SOURCE SOFTWARE?



Helped aid the technology
revolution



Backbone of digital
infrastructure



Linux, Mozilla, Wikipedia, C,
Python, and more!

WHY CONTRIBUTE TO FREE AND OPEN SOURCE SOFTWARE?



BUILD YOUR
SKILLS



BE PART OF A
COMMUNITY



FOSS NEEDS YOU

Roads and Bridges: The Unseen Labor Behind Our Digital Infrastructure

WRITTEN BY
Nadia Eghbal

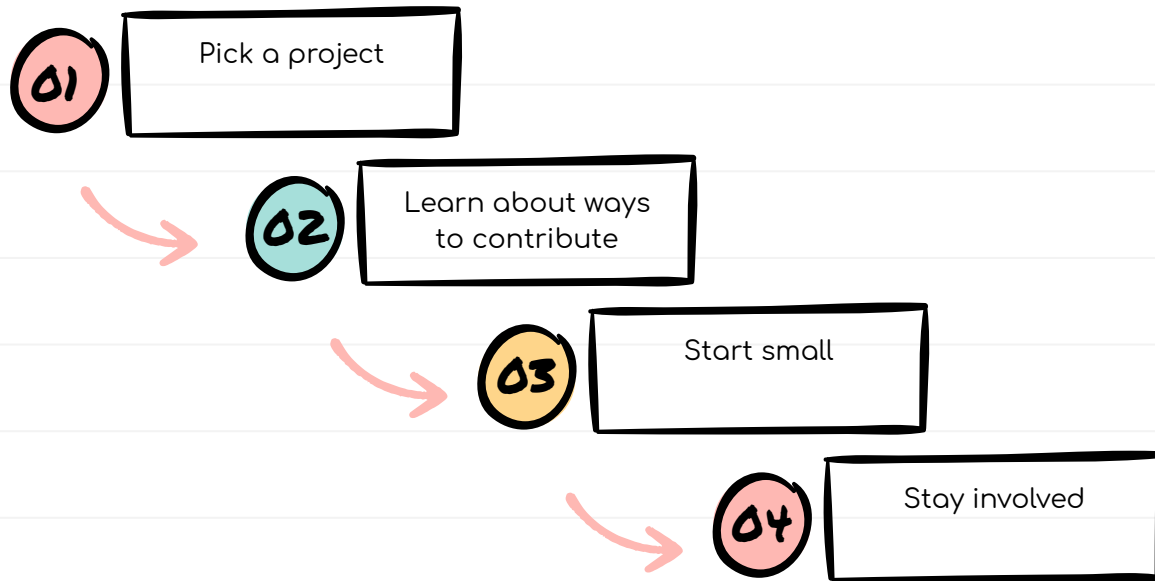
HISTORY

CHALLENGES

SUSTAINABILITY

AND MORE

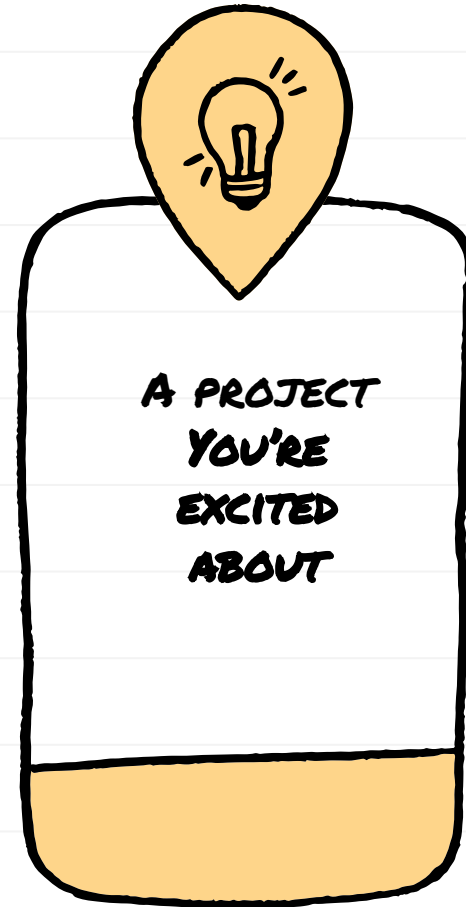
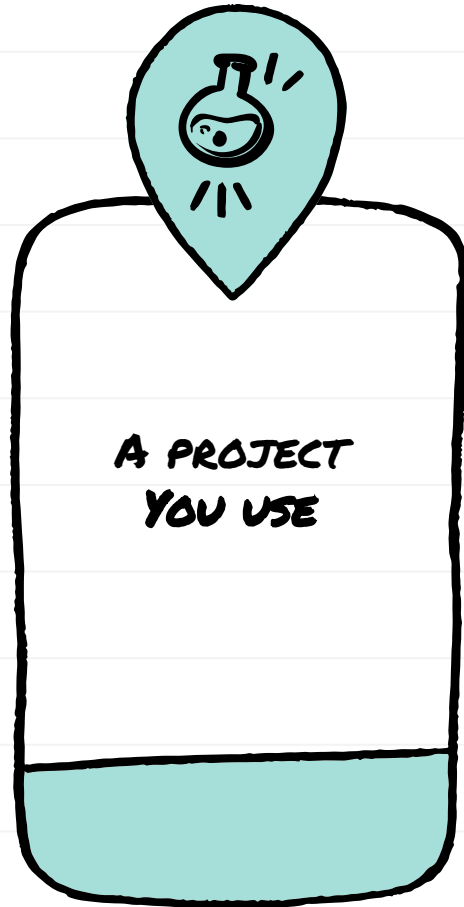
HOW TO CONTRIBUTE TO FREE AND OPEN SOURCE SOFTWARE?



HOW TO CONTRIBUTE TO FREE AND OPEN SOURCE SOFTWARE?

01

Pick a project



bokeh.org

[Documentation](#)[Community](#)[Tutorials](#)[Demos](#)[Blog](#)[GitHub](#)[Donate](#)

The Bokeh Visualization Library

[Documentation](#)[☆ Star](#) 14,551

Bokeh at a Glance

Flexible

Bokeh makes it simple to create common plots, but also can handle custom or specialized use-cases.

Productive

Work in Python close to all the PyData tools you are already familiar with.

Interactive

Tools and widgets let you and your audience probe “what if” scenarios or drill-down into the details of your data.

Powerful

You can always add custom JavaScript to support advanced or specialized cases.

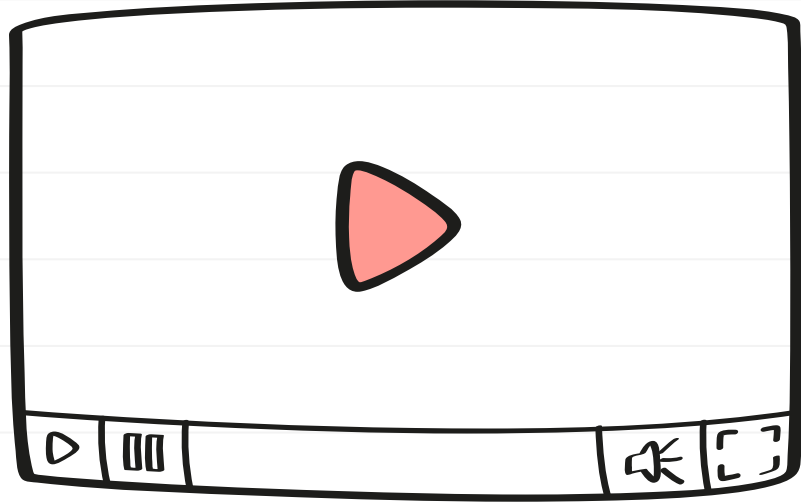
Shareable

Plots, dashboards, and apps can be published in web pages or Jupyter notebooks.

Open Source

Everything, including the Bokeh server, is BSD licensed and available on [GitHub](#).

Demo for Bokeh

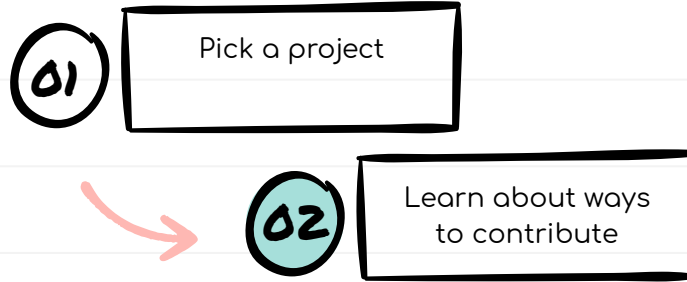




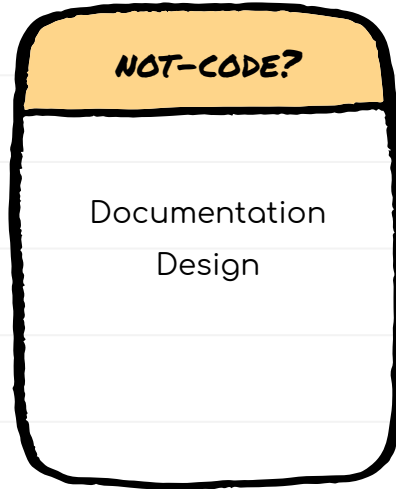
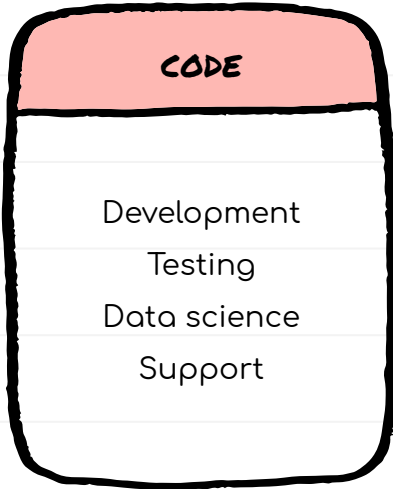
PICK A PROJECT!



HOW TO CONTRIBUTE TO FREE AND OPEN SOURCE SOFTWARE?



WAYS TO CONTRIBUTE





EXPLORE!



GITHUB

Look at their code repository and issue tracker



DOCS



Look at their documentation, especially developer docs



SLACK

Looks for communication channels and guidelines

CODE REPOSITORY




Most projects are hosted on
GitHub




Other code repositories
include Gerrit, GitLab,
Phabricator, etc.

gerrit.wikimedia.org/g/mediawiki/core/

 <https://gerrit.wikimedia.org/g/mediawiki/core/>

[gerrit.wikimedia.org](#) / [mediawiki](#) / **core**

 The collaborative editing software that runs Wikipedia.

Clone this repo:

```
git clone ssh://gerrit.wikimedia.org:29418/mediawiki/core
```

Branches
[master](#)
[REL1_23](#)
[REL1_25](#)
[REL1_26](#)
[REL1_27](#)
[REL1_28](#)
[REL1_29](#)
[REL1_30](#)
[REL1_31](#)
[REL1_32](#)
[More...](#)

Tags
[1.31.12](#)
[1.35.1](#)
[1.31.11](#)
[1.35.0](#)
[1.34.4](#)
[1.31.10](#)
[1.31.9](#)
[1.34.3](#)
[1.35.0-rc.3](#)
[1.35.0-rc.2](#)
[More...](#)

[b4be10f](#) Use my real name in CREDITS instead of the pseudonym + update CREDITS file by Ferran Tufan · 14 hours ago
[master](#)
[562db2e](#) Merge "Migrate ipblocks to abstract schema" by jenkins-bot · 16 hours ago
[e21c826](#) Merge "Add clearfix to upload warnings" by jenkins-bot · 16 hours ago
[6e53acb](#) Migrate ipblocks to abstract schema by Amir Sarabadani · 30 hours ago
[75e1ac5](#) Merge "HTMLForm: Fix documentation for tryAuthorizedSubmit" by jenkins-bot · 32 hours ago
[More »](#)

MediaWiki

MediaWiki is a free and open-source wiki software package written in PHP. It serves as the platform for Wikipedia and the other Wikimedia projects, used by hundreds of millions of people each month. MediaWiki is localised in over 350 languages and its reliability and robust feature set have earned it a large and vibrant community of third-party users and developers.

MediaWiki is:

- feature-rich and extensible, both on-wiki and with hundreds of extensions;
- scalable and suitable for both small and large sites;
- simple to install, working on most hardware/software combinations; and
- available in your language.

For system requirements, installation, and upgrade details, see the files [RELEASE-NOTES](#), [INSTALL](#), and [UPGRADE](#).

- Ready to get started? ** <https://www.mediawiki.org/wiki/Special:MyLanguage/Download>
- Looking for the technical manual? ** <https://www.mediawiki.org/wiki/Special:MyLanguage/Manual:Contents>
- Seeking help from a person? ** <https://www.mediawiki.org/wiki/Special:MyLanguage/Communication>
- Looking to file a bug report or a feature request? ** <https://bugs.mediawiki.org/>
- Interested in helping out? ** https://www.mediawiki.org/wiki/Special:MyLanguage/How_to_contribute

MediaWiki is the result of global collaboration and cooperation. The CREDITS file lists technical contributors to the project. The COPYING file explains MediaWiki's copyright and license (GNU General Public License, version 2 or later). Many thanks to the Wikimedia community for testing and suggestions.

DOCUMENTATION



Website, Project Wiki, etc.



User guide, tutorials,
developer documentation

COMMUNICATION

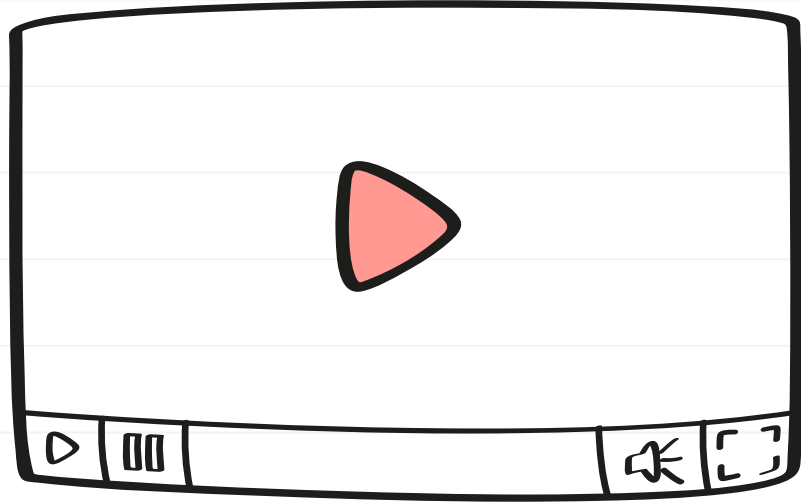


Slack, Discourse, Zulip, Gitter,
etc.

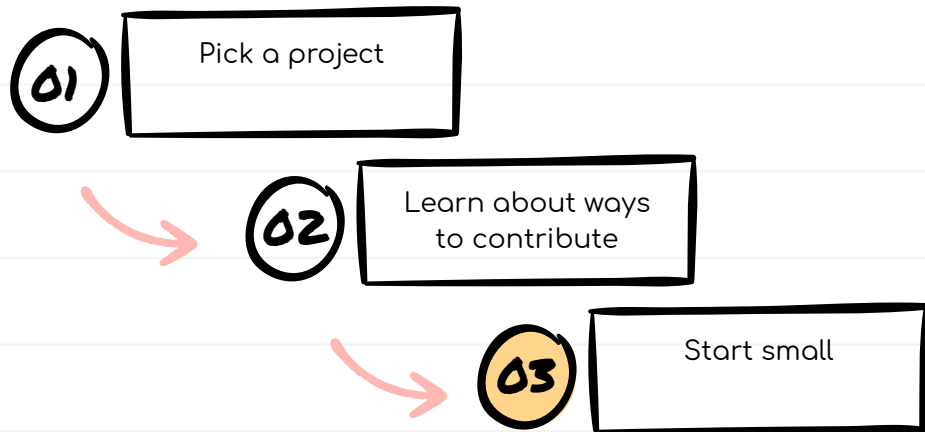


GitHub issue tracker

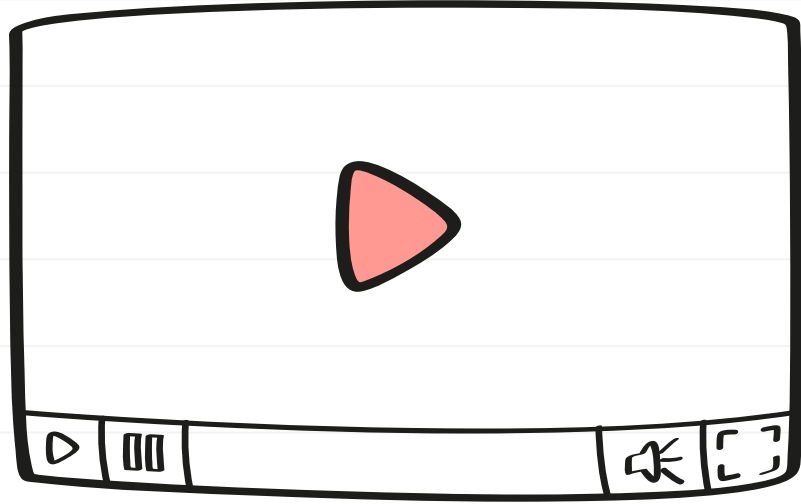
Demo for Bokeh

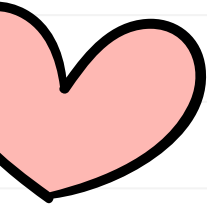


HOW TO CONTRIBUTE TO FREE AND OPEN SOURCE SOFTWARE?



Demo for Bokeh

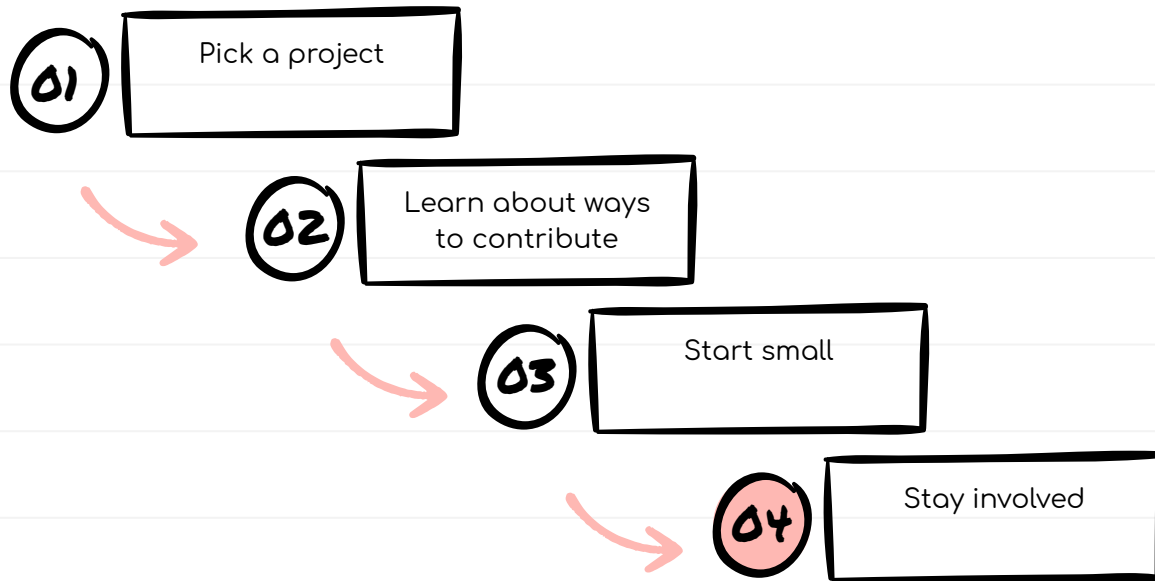




PICK AN ISSUE/TASK
TO WORK ON



HOW TO CONTRIBUTE TO FREE AND OPEN SOURCE SOFTWARE?



THANKS!

@pavithraes

hi@pavithraes.me

CREDITS: This presentation template was created by **Slidesgo**, including icons by **Flaticon**, and infographics & images by **Freepik**.