How to contribute to open source?



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 - Volunteer at WTM, Data Conversations, GHCI, WAI, Women Who Code
 - Technical blogger, Public Speaker
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- The Why's?
- Anatomy of Projects
- The How's?
- The Way's
- Git, please!
- My Experience
- Resources for developing coding skills
- Most important takeaways!

Agenda

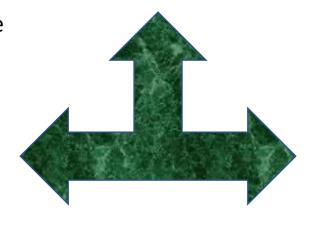
The Why's?



Enhance your skills (technical/soft)

Improve the quality of the software





Meet like-minded people (network)



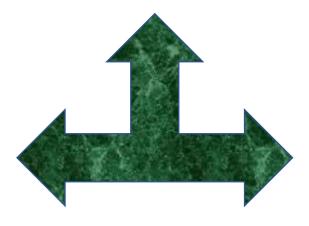
The Why's?



Find (become) a mentor or sponsor

Build a brand / career





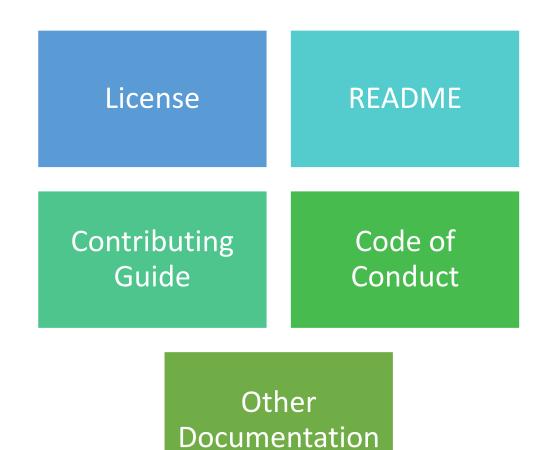
Learn people skills



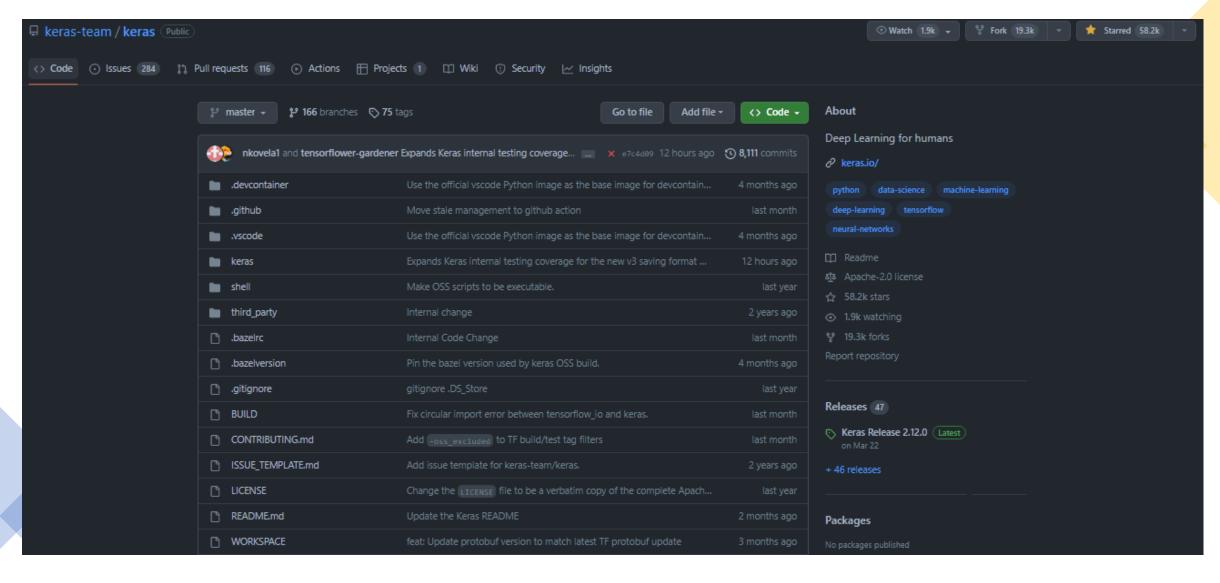
Anatomy of Projects: The People



Anatomy of Projects: The Artefacts

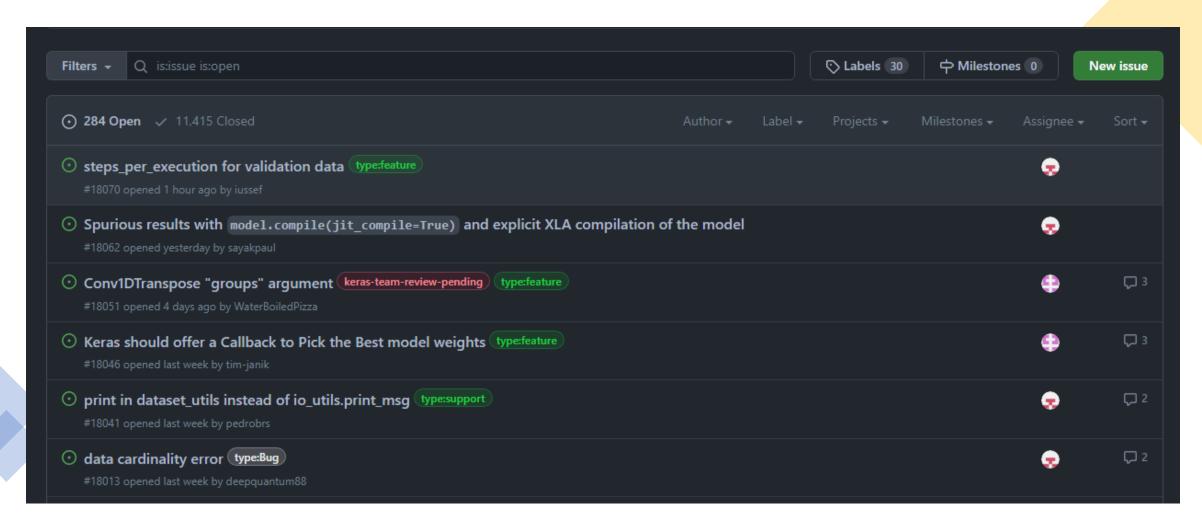


Anatomy of Projects: The Artefacts



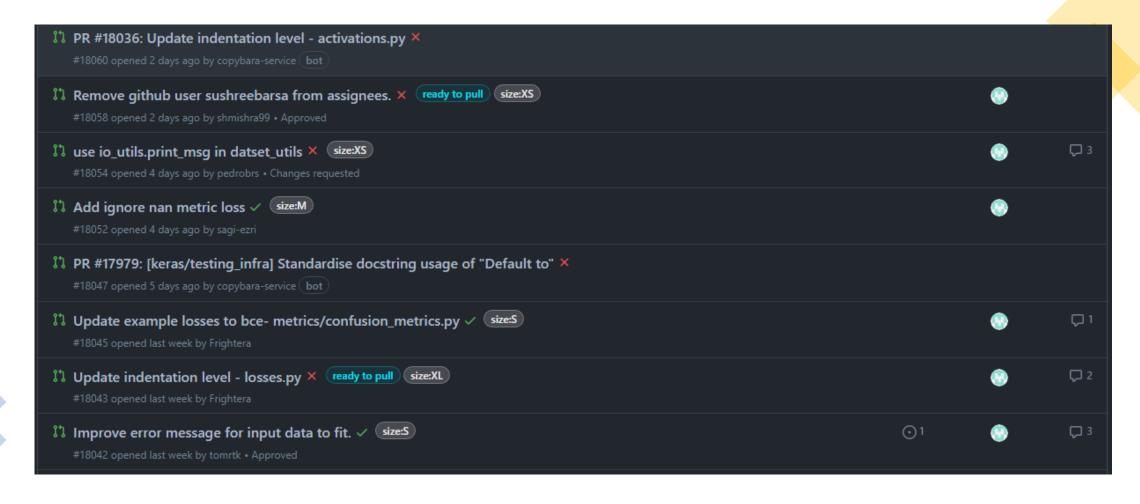
Anatomy of Projects: The Tools

• Issue Tracker – Issues, bugs, features, enhancements



Anatomy of Projects: The Tools

• Pull Requests – Tested code for an issue and reviews



Anatomy of Projects: The Tools

• Mailing Lists – Group conversations, updates and important information

• **Discussion Forums** – Get help, clear doubts, and feature requests

• **Synchronous chat channel** – Casual conversations, collaboration and quick idea exchanges

The How's: Finding Projects

• Pick a project that you already use!

Search for tags

• Check if the project proactively accepts contributions

• See if the community is active and welcoming

good-first-issues

help-wanted

beginner-friendly

The How's: Finding Projects



• GitHub Explore

Up For Grabs

CLOUD NATIVE COMPUTING FOUNDATION

First Timers Only

• Contributor-ninja

• <u>CodeTriage</u>

• First Contributions

• 24 Pull Requests

• <u>Hacktoberfest</u>





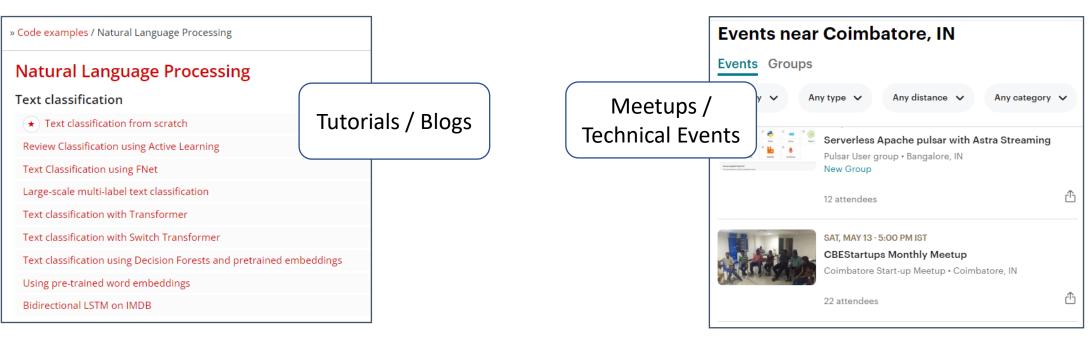


The How's: Contributing to the project

- Get familiar with codebase
- Start small
- Follow the project guidelines
- Make meaningful contributions
- Ask for help and be patient

- Communicate effectively
- Do your homework
- Keep your communication public
- Respect community decisions
- Spread positivity

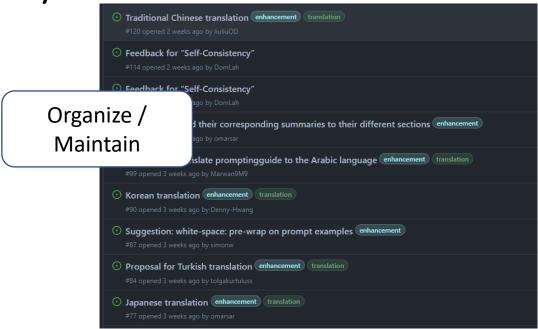
The Ways!

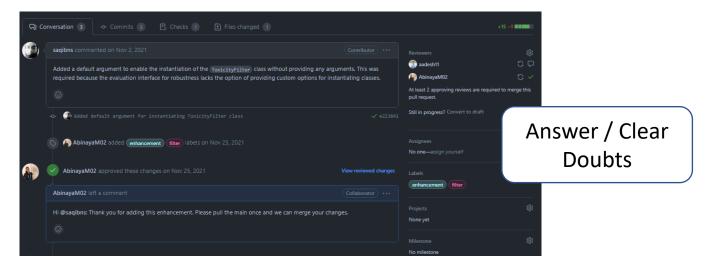




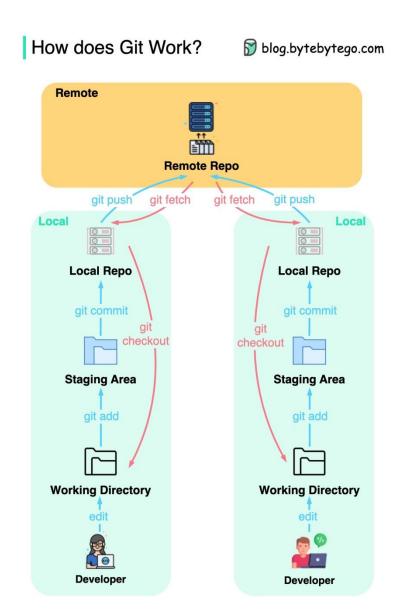
The Ways!

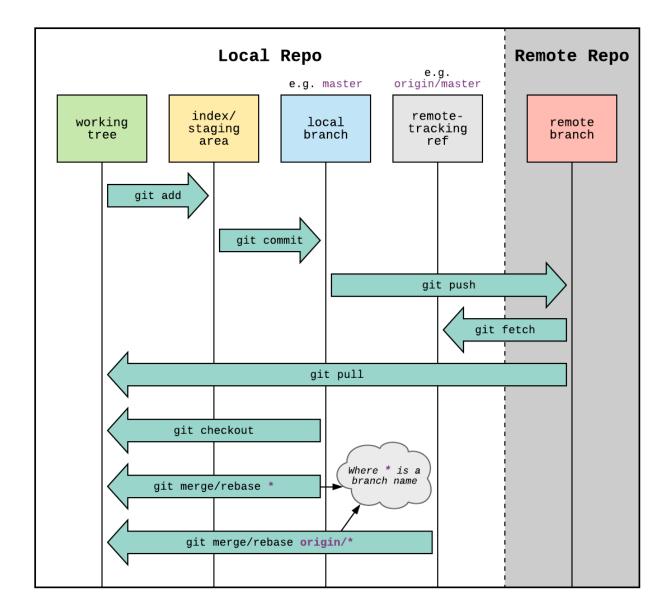
```
port os
num_skipped = 0
for folder_name in ("Cat", "Dog"):
   folder_path = os.path.join("PetImages", folder_name)
   for fname in os.listdir(folder_path):
                                                      Code / Code
        fpath = os.path.join(folder_path, fname)
        try:
                                                         Reviews
           fobj = open(fpath, "rb")
           is_jfif = tf.compat.as_bytes("JFIF") in του].peeκ(10)
        finally:
           fobj.close()
       if not is_jfif:
           num skipped += 1
           # Delete corrupted image
           os.remove(fpath)
print("Deleted %d images" % num skipped)
```



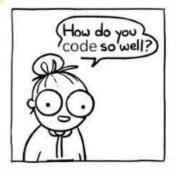


Git, Please!





Consistency is the key!



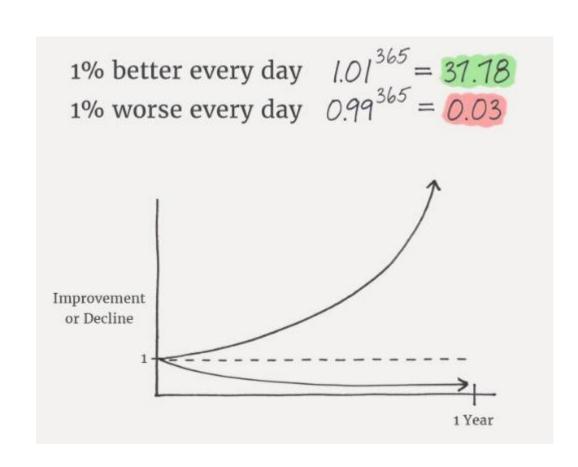










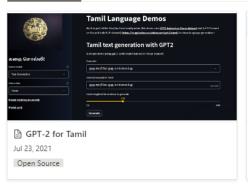


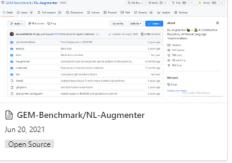
My Experience

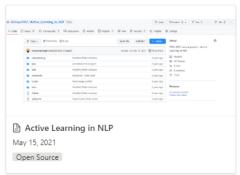


All the open source projects that I have worked on will be updated here.

₽ Open Source ☐ Academic Projects ☐ Hackathon

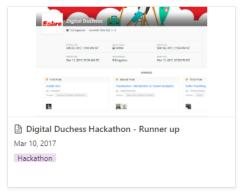


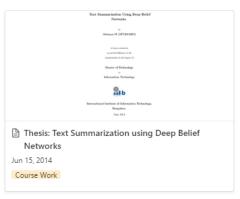


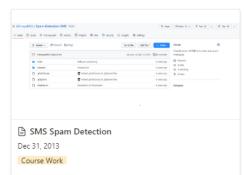


Filter Sort

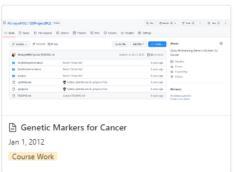












Resources for developing coding skills

Teach yourself Programming in Ten Years:

https://norvig.com/21-days.html

- TopCoder: https://www.topcoder.com/
- Leetcode: https://leetcode.com/
- CodeChef: https://www.codechef.com/
- HackerRank: https://www.hackerrank.com/
- Hackerearth: https://hackerearth.com/
- Kaggle: https://www.kaggle.com/
- Git: https://git-scm.com/docs/gittutorial
- How to contribute to open source: <u>https://opensource.guide/how-to-contribute/</u>

Most important takeaways!





Have any questions?!

