

Career Counselling and Guidance Cell (CCGC)

Present

Webinar on

The Blessing of Open-Source Software - Career Prospects

10th Dec 2022, Saturday

9:30 AM to 11:30 AM



Donictor No

Online in MS-Teams



Speaker:

Mr. Dinesh Chitlangia
Engineering Leader @ AMD, USA

Target Audience:

School of Computer Science & School of Engineering Students

Faculty Coordinators:

Mrs. Pavithra N
Assistant Professor, School of CSE & IS

Mrs. Manasa C M
Assistant Professor, School of CSE & IS

Mr. Srivinay

Dr. Md. Sameeruddin Khan

Dr. Abdul Sharief

Presidency University, Bangalore

School of Computer Science Engineering & Information Science



The Blessing of Open Source Software



Dinesh Chitlangia

Engineering Leader @ AMD Contributor, The Apache Software Foundation

December 10th, 2022

About me

• Open Source Contributor

Apache Hadoop - Committer

Apache Ozone - PMC and Committer

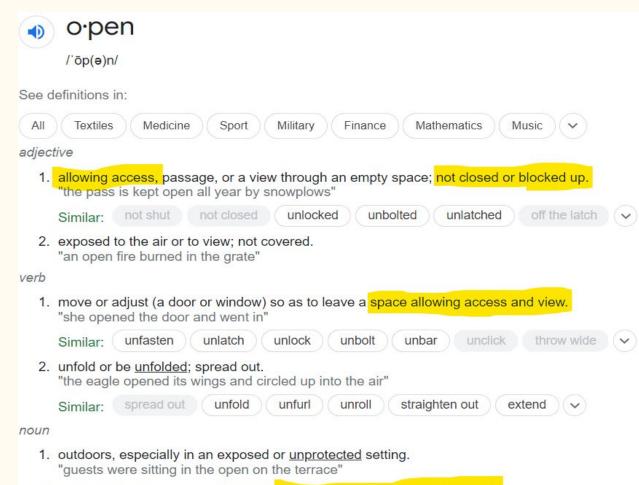
- Engineering Leader @ AMD
- https://github.com/dineshchitlangia

What

does

OPEN

mean?



2. a championship or competition with no restrictions on who may compete.

"his victory in the 2003 Australian Open"

What is Open Source Software?

- Publicly accessible design/source code
- Allowed to modify and share
- Linux
- ASF:Apache Hadoop, Apache Ozone, Apache Spark etc
- CNCF: Kubernetes, Prometheus, Fluentd etc

Open Source @ AMD

- AMD Research Projects like Omnitrace, DAGEE, ATMI,
 ROC_SHMEM
- AMD contributes to Apache Hadoop, Apache Yarn, FFMpeg
- Hiring Open Source SW Developers in the US

https://jobs.amd.com/job/Austin-Server-Application-Engin
eer-116505-Texa/793568300

Blessing of contributing to Open Source

- Learn (Soft skills & Technical skills)
- Sharpen your skills
- Build your resume
- Community/Peer recognition
- Professional Network, Meetups, Conferences

...But I don't code, how can I contribute?

- Knowledge Base (Docs-Multilingual, Tutorials, Blog)
- Use it, Report bugs and UX improvements
- Educate
- Advocate
- Promote

Myths about Open Source

- All good devs do Open Source contributions
- Only Committers/Maintainers can review code
- Only Committers/Maintainers can suggest new features
- It's easy

Getting started

- Read the project's README file for code of conduct, contributor guidelines
- Contributor License Agreement
- Set version control system (Github)
 - Fork the repository
 - Clone the forked repository
- Set up development environment
- Subscribe to user and developer mailing lists

What kind of tasks can a newbie do?

- Add/Improve knowledge base
- Trivial code changes
- Write unit test cases
- Improve log messages
- Improve the project website
- Code review

https://issues.apache.org/jira/browse/HDDS-4903
https://issues.apache.org/jira/browse/HDDS-6688

Contributing

- Check with your University/Employer's Legal Team to ensure that the change you want to contribute doesn't have any conflicts
- Find a newbie task or create one
- Ensure your fork is in sync with remote
- Create a new branch where you will make your changes

Contributing

- Push the changes to your fork
- Open a Pull request
- Address any feedback with new commits on the Pull request
- Pull Request merged by the maintainers

Good etiquette

- Subscribe to dev and user mailing lists and participate.
- Do your homework before asking questions
- Public communication
- Be patient (Apache Hadoop has ~250 committers)
- Be respectful
- Be "OPEN" accept feedback
- Respect community decisions

Resources

- Git 101 https://www.w3schools.com/git/
- AMD Research Open Source Projects - <u>https://www.amd.com/en/corporate/research-opensour</u> <u>ce</u>
- ASF projects
 https://projects.apache.org/projects.html
- CNCF projects https://www.cncf.io/projects/
- Apache Hadoop https://projects.apache.org/committee.html?hadoop
- ASF's Individual Contributor License Agreement https://www.apache.org/licenses/icla.pdf



