CBIT Open Source Community

In Association With CDC

Presents

Google Summer of Code
Awareness Session

ABOUT COSC

CBIT Open Source Community

- We are a tech community dedicated to promoting an **open-source** ethos.
- Conducts hackathons, bootcamps & workshops
- Features coding sessions & problem-solving challenges
- Focuses on hands-on learning
- Empowers students to contribute to open source

DR. N.L.N. REDDY GARU

HEAD OF CDC

What is Open Source

- **Computer software** where the source code is distributed under an **open source license** that allows anyone to study, change, improve and distribute the software.
- Promotes collaboration
- Community of dedicated developers
- Open source basically refers to **tech for all.**

What is GSoC?

Google Summer of Code (GSoC) is a global program organized by **Google** to encourage students and new contributors to engage with **open-source development**.

GSoC 2024 Statistics

- **43,984 applicants** from 172 countries
- **9,107 proposals** submitted by 6,518 applicants
- **1,220 GSoC contributors** accepted from 73 countries
- Over 2,800 mentors and organization administrators
- Total of **195 organizations** participating !

WHY PARTICIPATE?

STEP I : Getting Started

- Read GSoC Contributor Guide
- Understand eligibility & timeline
- Read organization blogs
- Build GitHub & LinkedIn presence
- Start today!

GSOC TIMELINE

JAN 27

Mentoring organizations can begin submitting applications to Google

FEB 11

Mentoring organization application deadline

FEB 11 - 26

Google program administrators review organization applications

FEB 27

List of accepted mentoring organizations published

FEB 27 - MAR 24

Potential GSoC contributors discuss application ideas with mentoring organizations

GSOC TIMELINE

GSOC TIMELINE

JUN 2

Coding officially begins!

JUN 14

Mentors and GSoC contributor can begin submitting midterm evaluations

JULY 18

Midterm evaluation deadline (standard coding period)

JUL 14 - AUG 25

Work Period: GSoC contributor work on their project with guidance from Mentors

AUG 25 - SEP 1

Final week: GSoC contributors submit final work and mentor evaluation

STEP II : Find an Organization

- Visit organizations that have participated in the previous years.
- Go through past projects and project ideas.
- If available, adhere to your organization's GSoC guide and contributing guide
- Find previously selected GSoC contributors from your organization, and ask them questions.
- Make sure to do your own research before reaching out. It creates a good impression. Do not barge in before you get a feel for the organization's work.

STEP III: Get Involved with the Community

- Join community via Discord, IRC, Slack
- Start contributing with easy issues, docs, PRs
- Build reputation through positive interactions
- Be early, consistent, passionate, proactive
- Respect mentors' time and schedule

STEP IV : Select a Project

MIT App Inventor

Anyone can build apps with global impact

Open Robotics

Open source software for robotics

Python Software Foundation

A programming language used for science & more

Postman

The Future is API-First

OpenCV

++ beneficial uses of computer vision in society

GNU Project

Development of the GNU Operating System

STEP IV : Select a Project

- Shortlist 5-10 organizations before project list is published
- Start contributing early to gain experience and recognition
- Track problems, solutions, skills, and contributions
- Apply even if you have a skills gap ; show willingness to learn & adapt
- You can apply for a max of 3 projects, use your choices wisely

STEP V: Work on a Proposal

- Start 2-3 weeks before deadline ; Don’t wait till the last moment
- Suggest small improvements or additional features
- Study Past Proposals – Learn from selected ones
- Proposal Template – Check organization's preferred template
- Clear & Simple – Avoid jargon, be understandable
- Seek feedback from mentors before you submit your proposal

Tips and Tricks

- START TODAY
- Try to interact with your fellow community members daily. Consistent participation shows your passion.
- Your first pull request doesn’t have to change the world. You can start by:
  - Fixing typing errors
  - Fixing simple HTML errors
  - Adding/Removing/updating documentation.
  - Leveraging “**good first issues**” type issues that most organizations keep aside for newcomers.
- Get rid of your **imposter syndrome.**

OTHER OPEN SOURCE PROGRAMS TO LOOK OUT FOR!

MLH Fellowship
Powered by GitHub

Google Season of Docs

LINUX KERNEL MENTORSHIP PROGRAM

OUTREACHY

SEASON OF KDE

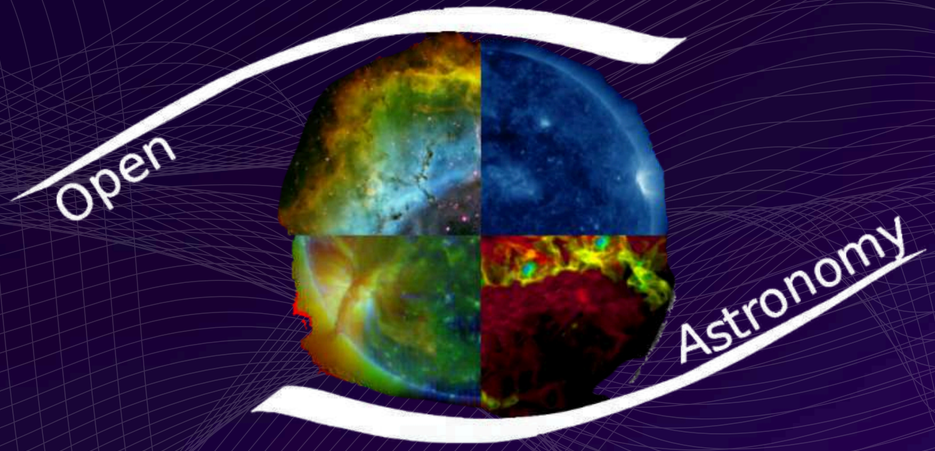
HACKTOBER FEST

SRI GURU DATTA

GSOC CONTRIBUTER

OpenAstronomy

OpenAstronomy is a collaboration between open source astronomy and astrophysics projects to share resources, ideas, and to improve code. It is an umbrella organisation which collects project ideas from any of its members. OpenAstronomy has been a GSOC mentoring organisation since 2016 and it’s applying to participate in 2025.



OMKAR KABDE

GSOC CONTRIBUTER

IOOS

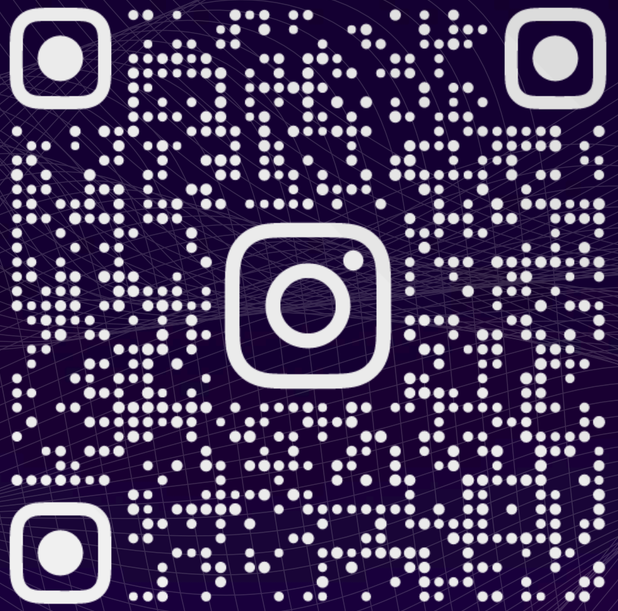
The United States Integrated Ocean Observing System is an American scientific and regulatory agency. It serves as a platform for observing the oceans, coasts, and Great Lakes. It is an integrated network of people and technology gathering observing data and developing tracking and predictive tools to benefit the economy, the environment, and public safety at home, across the nation, and around the globe.

Q&A SESSION

THANK YOU!

Learn. Code. Share.

Follow Us on Instagram!



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