

Experience

Google Summer of Code - SymPy

Summer 2016

Student Developer

- › Worked on Solvers module of [SymPy](#) Python library for symbolic mathematics.
- › Enhanced the features of Solveset module, which ensure the all the solution of equation and system of equations.
- › Worked on around 55 PRs in [SymPy GitHub repository](#). Checkout the [SymPy development team](#).
- › [GSoC 2016 report is available in site](#), Project details can be seen at [Google Summer of Code site](#)

Google Summer of Code - Ruby Science Foundation

Summer 2017

Student Developer

- › Enhanced features and fixed some open issues of [DaRu](#) repository.
- › Designed and built a Ruby library called [daru-view](#) Data Visualization in Ruby – using powerful javascript library - GoogleCharts, HighCharts, DataTables, D3.js
- › daru-view can work in any Ruby web application framework, IRuby notebook and simple ruby program as well.
- › [GSoC 2017 report link](#) , [Project description on Google Summer of Code site](#)

CGI Group

Software Engineer

2017 – 2018

Bengaluru, India

- › Designed and built web application - Promotion Automation project.
 - * Frontend Angular, Backend - NodeJS, Database - Sql, MongoDB
 - * Generate BRF document (PDF) for the particular promotion ID.
 - * Check the difference between latest and previous version promotion.
 - * Searching the latest version of the promotion is easy with UI tool.
 - * One click script generation/testcase/UAT package generation and can seed the data.
- › Led the team as Scrum master, working on [Continuous Deployment Dashboard](#) project.
 - * which is a continuous delivery platform where different teams can view the different stages a product.
 - * Clients have a single view to track progress of their products.
- › Worked with ML team for creating recommendation system(offer/subscription recommendation).

Modak Analytics

Software Developer

2018 – present

Hyderabad, India

- › Working on a system for optimal and fast genomic data analysis and data processing.
- › Designed and developed Modak Genomics website.

Google Summer of Code

Mentor

2018 – 2019

- › Continue contributing to open source projects and helping new contributors of SymPy and SciRuby. Also mentored students for GSoC 2018 and GSoC 2019
- › Contributed and mentored [Cloud-CV/EvalAI-ngx](#) project, which is New Frontend for [Cloud-CV/EvalAI](#) in Latest version of Angular.

Projects

Open Source Projects

- > All the Github repository and commits can be seen at github.com/Shekharrajak/
- > Blog post designed and developed using Jekyll shekharrajak.github.io and [Personal site](#)
- > [Github Repository and Profile Manager](#), which uses Github API to fetch the data. This is developed using Angular 4.
- > [Projects currently I am working on can be seen at github.com/shekharrajak/projects](https://github.com/shekharrajak/projects)

Open Source Contributions

- > Maintainer of SciRuby Repositories - [DaRu](#) and [daru-view](#). Admin of [SciRuby](#) for GSoC 2019.
 - * Responsible for [Google Summer of Code - Ruby Science Foundation 2019 application](#) and Students review selection.
 - * Reviewing PRs and helping/answering new contributors about [DaRu](#) gem.
 - * New projects and ideas are being added for [daru-view](#) gem .
- > Maintainer of CloudCV EvalAI-ngx repository.
 - * Project ideas discussion and PR reviews for [Cloud-CV/EvalAI-ngx](#)
 - * Part of the [GSoC 2019 mentor team](#).
- > Active in [SymPy](#) and [SymEngine](#) Repository. Helping new contributors and mentored students in Google Summer of Code program.
- > Worked on [4 PRs](#) in [Bundler Github repository](#). Checkout the [Bundler Development team](#).

Skills

Data Science, Deep Learning, Machine learning Daru, daru-view, Pandas, NumPy, Scikit-learn, PyTorch, Keras

Web Development Angular, NodeJS, Jekyll, Docusaurus

Database MySQL, MongoDB

DevOps Docker, Git, SVN, Travis CI/CD, Jenkins, Kafka message bus

Programming Languages C, Cpp, Java, Python, Ruby

Education

National Institute of Technology, Warangal

B.Tech - Computer Science and Engineering

2013 – 2017

Warangal, India

Certificates

Full Stack Developer [StackRoute Certified](#) training program on Application design, Design Pattern, Angular, Spring boot, Docker, NoSql and Sql databases.

Google Summer of Code [Student Developer - 2016, 2017, Mentor - Since 2018, Org. Admin - 2019](#)

Achievements

Board topper - Class 12th

- > Rank 1 in Chhattisgarh Board of Secondary Education (CGBSE) 2012.
- > Received GOLD Medal for Mathematics stream topper and overall topper.

Among top 15 student - Class 10th

- › Chhattisgarh Board of Secondary Education (CGBSE) 2010.

Scholarships

- › Scholarship by Education minister Chhattisgarh to top 10 students.
- › Scholarship by Chhattisgarh Government during Under Graduate program(2013-17)

Extra-Curricular

- › Member of [Web and Software Development Cell \(WSDC\) NIT, Warangal](#) 2015-16.
- › Rated Chess player in chess.com.
- › ISKCON (International Society for Krishna Consciousness) attended 3 sessions in Pune, Chennai, Mangalore.
- › Winner of Vedic Mathematics competition(district level) during school days.
- › Training at NIT Surathkal on Web Development - 2014 Summer.

Conferences

PyCon India 2017 Organized [Workshop on SymPy and SymEngine](#).

- › This workshop covered basic to advance features of SymPy.All the tutorial examples are present in [Shekharrajak/PyCon-SymPy-SymEngine](#) Github repository.
- › Talk about SymEngine - Why SymEngine is created and it's binding with other languages.
- › [SymPy Slide is present here](#).

RubyConf India 2018 [Talk on SciRuby/daru-view library](#)

- › Presentation on daru-view - how it is useful in Ruby Web application and IRuby notebook as visualization tool.
- › [Slide is present on slides.com/shekharrajak](#)