

## 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/](https://github.com/Shekharrajak/)
- > Blog post designed and developed using Jekyll [shekharrajak.github.io](https://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](#).
- > Contributed to [NumPy \(which provides powerful N-dimensional array object\)](#) Github Repository. Commits can be seen [here](#).

## 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](#)