Shekhar Prasad Rajak

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National Institute of Technology, Warangal

B.Tech - Computer Science and Engineering

2013 – 2017 Warangal, India



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.
- > GSoC 2016 report link, Project description on 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 GroupSoftware Engineer

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

Hyderabad, India

2018 – present

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

Google Summer of Code

- > 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 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

Open Source Contributions

- > Maintainer of SciRuby Repositories daru and daru-view. Admin of SciRuby for GSoC 2019.
 - * 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 GSoC program.
- > 4 PRs in github/bundler repository.

♥ Skills

Data Science, Deep Learning, Machine learning Daru, daru-view, Pandas, NumPy, Scikit-learn, PyTorch, Keras **Web Development** Angular, NodeJS

Database MySql, MongoDB

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

Programming Languages C, Cpp, Java, Python, Ruby

Certificates

Full Stack Developer StackRoute Certified

Google Summer of Code Student Developer - 2016, 2017, Mentor - Since 2018, Org. Admin - 2019

P Achievements

Board topper - Class 12th

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

Among top 15 student - Class 10th

> Chhattisgarh Board of Secondary Education (CGBSE) 2010.

Scholorships

- > Scholarship by Education minister Chhattisgarh to top 10 students.
- > Scholarship by Chhattisgarh Government during UnderGraduate program(2013-17)

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