Shekhar Prasad Rajak

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🎓 Education

National Institute of Technology, Warangal   2013 – 2017
B.Tech - Computer Science and Engineering   *Warangal, India*

🥧 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.

> 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 Group   2017 – 2018
Software 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   2018 – present
Software Developer   *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   2018 – 2019
Mentor

> 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 usiing 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

🏆 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