





Shekhar Prasad Rajak

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 @Shekharrajak

Education

B.Tech Computer Science and Engineering, NIT Warangal | 2013-17

Skills

Languages: Ruby, Python, Cpp, C, java

AI-Machine Learning tools : Basics of Scikit-learn, PyTorch

WebDev : HTML, CSS, Angular 7, Node.js web application

Other: Git, SVN, Docker, Jenkins, Travis, Kafka message bus

Certifications:

- Full Stack Developer - StackRoute
- Google Summer of Code Student Developer 2016 (SymPy) & 2017 (SciRuby)

Extra-Curricular

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

- Love watching about Ancient Civilization, Indian History, Sci-fi films.

Conferences

- PyCon India'17 - [Workshop on SymPy and SymEngine](#)
- RubyConf India'18 - [Lightening talk on SciRuby/daru-view library](#)

Work Experience and Internships

- Since Dec'18 Software Developer Modak Analytics, Hyderabad
Working on a system for optimal and fast genomic data analysis and data processing using GPU and NVIDIA CUDA libraries.
- 2017-18 Software Engineer CGI Group India, Bengaluru
- Designed & built web application using Angular 4, NodeJS, MYSQL.
- Worked on product called [Continuous Deployment Dashboard](#) during training program using Spring boot, Angular 4.
- Worked with ML team for creating recommendation system(offer/subscription recommendation) for customers of Bell.
- Summer'17 Google Summer of Code SciRuby
Designed and built a Ruby library called [daru-view Data Visualization in Ruby](#) using powerful javascript library - GoogleCharts, HighCharts, DataTables, D3.js from scratch. [GSoC 2017 - report](#)
- Summer'16 Google Summer of Code SymPy
Worked on Solvers module of [SymPy Python library for symbolic mathematics](#). Worked on SymPy solvers module- mostly solveset with 55+ PRs, which ensure the all the solutions of equations and system of equations. [GSoC 2016 - report](#)

Open Source Projects and Contributions

- Summer'19 - 18GSoC Admin, Mentor and Contributor SciRuby, SymPy, CloudCV
Organization admin for [SciRuby](#), responsible for GSoC 2019 SciRuby application, Student application review and mentored the students selected under [SciRuby](#), [SymPy](#) - Solvers module, [Cloud-CV](#) - EvalAI Angular Application.
- 2019 Contributor NumPy
I'll be part of Google Season of Docs 2019 - NumPy and build, restructure NumPy docs as discussed in [NEP: numpy.org website redesign](#).
- Since Jan'17 Maintainer-SciRuby repository SciRuby
GSoC 2019 Admin for Ruby Science foundation and maintaining SciRuby repository - [daru Data Analysis in Ruby](#), [daru-view Data Visualization in Ruby](#) gem.
- Jan-Feb'17 Contributor Bundler
4 Patches(PRs) in [Bundler](#) github repository. Worked on bundle inject command and plugin uninstallation.
- Since 2015 Active in Github and used to commit often in Open Source projects
All the open source projects and my commits can be found in [github/Shekharrajak/repos](#) where I used NoSQL databases, Angular, Node.js
• [Blog post designed and built using Jekyll](#) • [Personal site](#) • [Github Repo Manager: Angular 4 App using Github API](#)
• [Few Open Source Projects, that I started in Github](#)

Achievements

- 2012 Board topper - Class 12th
Chhattisgarh Board of Secondary Education (CGBSE) 2012 topper. Recieved GOLD Medal for Mathematics stream topper and overall topper in class 12th.
- 2012-2017 Scholarships
Scholarship by Education minister Chhattisgarh to top 10 students and by Chhattisgarh Government during UnderGraduate program(2013-17)
- 2010 In top 15 students list - Class 10th
Chhattisgarh Board of Secondary Education (CGBSE) 2010