Shekhar Prasad Rajak

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🌐 https://shekharrajak.github.io/

 @Shekharrajak

Skills

Languages: Python, Ruby, C++, Java

DevOps: Docker, Git, Splunk, Jenkins, Travis, Ansible, Kubernetes

Web Development: Angular 8, Node.js, Spring Boot, Netty

Certifications:
• Full Stack Developer - StackRoute
• Udacity Nanodegree Machine Learning Engineer

Conferences

• PyCon India'17 - Workshop on SymPy and SymEngine

• RubyConf India'18 - Lightening talk on SciRuby/daru-view library

• ApacheCon North America'20 - Running ML algorithms with ML tools available in Apache Ecosystem • Cluster Management in Apache Ecosystem Kubernetes

Education

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

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.

Work Experience and Internships

Present — Software Engineer — Apple, Hyderabad
Part of IdMS team, who is responsible for authentication, authorization of corporate and customer users. Handle deployments, monitoring, troubleshooting and building automation tools using Ansible, Python, Unix script, Splunk and internal APIs.

Jul'19 — Software Developer — Modak Analytics, Hyderabad
Worked on optimizing the system for faster Genomic data analysis and data processing using GPU and NVIDIA CUDA libraries using Apache Spark, Apache Ignite.

Dec'18 — Software Engineer — CGI Group India, Bengaluru
- Designed & built web application called Promotion Automation system using Angular, Node.js, Spring boot, Netty, Pytorch and deployed in Kubernetes and AWS. One of the microservice designed based on Sentimental Analysis.
- Worked on Continuous Deployment Dashboard Project using Spring boot, Angular 4 from scratch till deployment.

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

2019 — Contributor — NumPy/SciPy
Part of Season of Docs 2019 - NumPy/SciPy 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 • Blog post designed and built using Jekyll • Github Repo Manager: Angular 4 App using Github API • Few Open Source Projects, that I started in Github

Leadership and Awards

Summer'19,18 — GSoC 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, Cloud-CV - EvalAI Angular Application.

2012 — Board topper - Class 12th, Scholarships
Chhattisgarh Board of Secondary Education (*CGBSE*) 2012 topper. Recieved GOLD Medal for Mathematics stream topper and overall topper in class 12th.

2010 — In top 15 students list - Class 10th
Chhattisgarh Board of Secondary Education (*CGBSE*) 2010