Shekhar Prasad Rajak

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◔ Experience

Apple
Software Engineer

Since Sept 2019
Hyderabad, India

> Joined the TechOps team handling on multiple apple projects.

Google Summer of Code
Mentor / Repository Maintainer: SymPy, SciRuby, CloudCV

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 in GSoC 2019, which is New Frontend for Cloud-CV/EvalAI in Latest version of Angular.

Modak Analytics
Software Developer

Dec 2018 - Jul 2019
Hyderabad, India

> Working on a system for optimal and fast genomic data analysis and data processing.

> Designed and developed Modak Genomics website.

> Explored CUDA libraries to interact with GPU hardware and various Python library for parallel programming and better performance like: Dask, Numba, RapidsAI.

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CGI Group
Software Engineer

2017 – 2018
Bengaluru, India

> Designed, built deployed web application - Promotion Automation project.
>> * Frontend Angular, Backend - NodeJS, Database - Sql
>> * Authentication and authorization using CGI mail ID.
>> * 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 this application.
>> * 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/developer have a single view to track progress of their products.
>> * Extendable and modular application. New CI/CD tool can be plugged in with minimum changes.
>> * Microservice based architecture with health checkup of each instance/service.
>> * Deployed using docker container in AWS.

* Frontend Angular, Backend - Spring boot, Database - Sql, Mongo, Redis, Neo4J, tools: Jenkins, SVN, GIT, Docker, Kafka, Travis
> Worked with ML team for creating recommendation system(offer/subscription recommendation).

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 from scratch – 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

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

🜇 Projects

Open Source Projects

> All the Github repository and commits can be 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.
  * 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.
  * Redesigning and restructuring the contents of NumPy docs.
  * Part of the SciPy and NumPy team who are involved in Redesigning the website using Static Site Generator (Hugo).

* Customizing the scipy-sphinx-theme for better UI and UX experience.

⚙ Skills

Web Development Angular, NodeJS, Spring Boot, Jekyll, Hugo
Database MySql, MongoDB
DevOps Docker, Git, SVN, Travis, Jenkins CI/CD, , Kafka message bus
Programming Languages   C, Cpp, Java, Python, Ruby, Javascript
Data Science, Deep Learning, Machine learning Daru, daru-view, Pandas, NumPy, Scikit-learn, PyTorch, Keras

🎓 Education

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