Pardhu Vavila



Contact

Phone: +1-(716)7150296

Email: saicharanpardhu@gmail.com **GitHub:** saicharanpardhu.github.io

Certifications

Java & Angular

- PlularSight,2018

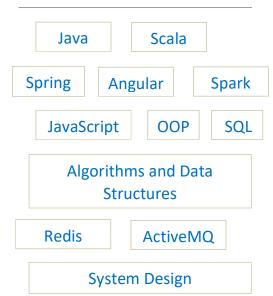
Full stack Developer

- Stackroute - NIIT, 2017

Machine Learning with Big Data

- Coursera - UC San Diego, 2016

Skills



Education

Bachelor of Technology: **OE & NA** - 2017 **Indian Institute of Technology (IIT)**, Kharagpur

Master of Science: Computer Science – JAN,2022(Expected)

University at Buffalo, Buffalo

Graduate Projects

Parallel Graph Algorithm for Solving Capacitated Vehicle Routing Problem

Developed a parallel algorithm by adopting branch-cut -and-price algorithm to the *map-reduce* paradigm of *spark*. Significantly reduced the runtime for several instances of capacitated vehicle routing problem.

Real Time Embeddable Reporting Server with Dynamic Report Configuration

Developed a server-based report generating software system for an *industrial partner* that can be plugged into any website with minimal effort while being able to dynamically update/add/delete report configurations without any downtime. The software also facilitates data analytics with support for custom flows.

Experience

Software Engineering Specialist - 12/2018 to 1/2021 **GE Digital** , Bangalore

- Designed and Developed a library for various microservices to port cross tenant functionalities and support with minimal extra effort.
- Designed and Developed a scheduling microservice by leveraging the ActiveMQ's internal scheduler
- Developed Redis cache reconciliation mechanism amongst various microservices.
- Developed performance testing suits using Locust in Python.
- Developed high throughput system as an asynchronous abstraction to HTTP endpoints using ActiveMQ.
- Worked as a security champion to ensure compliance through SAST, DAST and Pentest procedures.

Associate Software Engineer - 08/2017 to 10/2018

CGI , Bangalore

- Developed a project from end-end to bridge the existing gap between the current solution and mobile technologies.
- Developed project's low-level design concepts and maintained optimal workflow for the project.
- Complete detailed programming and development tasks for front end public and internal websites as well as challenging back-end server code.