

# Nithin SJ

Portfolio | [thenithinraj@gmail.com](mailto:thenithinraj@gmail.com) | [LinkedIn](#)

## EDUCATION

### DAYANANDA SAGAR COLLEGE OF ENGINEERING

BE IN COMPUTER SCIENCE

Aug 2021 | Bangalore

Cum. GPA: 8.14

### CAMBRIDGE INTERNATIONAL SCHOOL

May 2015 | Score : 96

## COMMUNITY WORKS

### ISKON

Part of the Awareness team and helped in editing video lectures.

### HOME TUTOR

Non Profitable Tutition for High School Students.

### GITHUB

Developer Program Member.

## SKILLS

### PROFICIENT WITH :

Over 1000 lines:

JavaScript (ES6) • C++

CSS • React/Redux

Over 500 lines:

Node.js • Express.js

HTML5 • Bulma

Technologies:

MongoDB • MySQL • Electron.js

Git • Pentesting tools • Google Cloud

Platform • AWS • Apache Hadoop

## COURSEWORK

- Modern React with Redux - Stephen Grider

- Data Structures and Algorithms - Algoexpert.io

- Operating Systems - DSCE

- Computer Networks - DSCE

## HOBBIES

- Gaming • Music • Streaming
- Badminton • VFX • Photoshop

## TECHNICAL PROJECTS

### SHARELOADER | A MULTI PART DOWNLOADER

Winter, 2021 | DSCE, Bangalore

- Developing a product where local users can **parallelly download a same file** thereby **reducing the download time upto 5 times**.
- Working as a team of two, where we are currently developing the **prototype** in the form of a **Command line executable**.
- The project focused on solving the problem in the **Computer Network** domain and it is an integral part of our research at DSCE.

### HADOOP AUTO | AN AUTOMATED SCRIPT FOR HADOOP CONFIG

Winter, 2020 | DSCE, Bangalore | [Link](#)

- Wrote a Bash script for auto **Hadoop Installation** and **HDFS Configuration** for a **Pseudo Distributed Environment in Ubuntu System**.
- Part of a team of two and was responsible for developing the **shell script** which significantly reduced the installation time from 40 mins down to 20 mins.

### RENT THE PLACE | A WORKPLACE RENTAL PLATFORM

Fall, 2020 | DSCE, Bangalore | [Link](#)

- Developed a platform which allows employees and team managers to rent a workplace of a desired hotel.
- **Led a team of four** and contributed as majorly in the **Frontend Development** using **ReactJS** and **Redux** for state management.
- Deployed the project on **Heroku Cloud** with configuration emulating production environment

### BIG-O CHEATSHEET | A REVAMPED VERSION OF BIGOCHEATSHEET.COM

Summer, 2021 | DSCE, Bangalore | [Link](#)

- Developed a website which contains Big-O Notations of all popular Data Structures and Algorithms.
- Worked as **Frontend developer** and designed the Frontend using **ReactJS**, **Bootstrap CSS**.
- An Improvement over the bigocheatsheet.com and yet to be SEO Optimized.

## RESEARCH

### ENHANCEMENT IN PARALLEL DOWNLOADING TECHNIQUE USING DTPX

#### ACADEMICS

Winter, 2020 | DSCE, Bangalore | [Link to paper](#)

Working on a paper under the guidance of Prof. Sahana MP to come up with an enhancement in the existing **parallel download method strategy** which resulted in the **reduction of the http download time by twice / thrice / n** depending on the number of users available to share their bandwidth, by dividing the files into multiple chunks according to our new found protocol, DTPX.