Nithin SJ

Portfolio | 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 Tution 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.