

# Sujin K

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## Technical Skills

Data Structures Algorithms Python Java C JavaScript NodeJs ExpressJs MySQL MongoDB Unity Android Studio Flutter ARCore Kotlin

## Experience

**Caterpillar Inc**, Chennai - Corporate Intern

Jan 2021 - Present

- Worked on an In-App Purchase system to migrate existing systems from B2B to B2C.
- Building a service using Power Automate Desktop to automate ticketing of machines in DSP portal.

**Futuryze Digital**, Bangalore - SDE intern

May - Dec 2020

- Built a backend service using Nodejs for the app Fireside.
- Worked on the android ( Kotlin ) app for Fireside.
- Developed front-end for an online shopping app for iOS and android using flutter from scratch.
- Built a standalone module for integrating AWS Kinesis in [Omnipolis](#).

**UrlocalDoc**, Bangalore - Software Development Intern

Nov 2019 - Jan 2020

Assisted in building the frontend of the android app, UrlocalDoc.

## Projects

### GrocerStop

Built with ReactJs, Dart, Flutter, and Flask

Jun 2020

Built a web app and a mobile app to monitor, control and reduce crowding at public places using time based reservations to avoid the spread of Covid-19.

**Smart Grid System (Built @Ramco Hackathon and won 1st place)-** [www.thehindu.com/article](http://www.thehindu.com/article)

Built with ReactJs, JavaScript, and NodeJs

Jan 2020

Built a load balancing algorithm which will distribute load between retail outlets in real-time by making sure of multiple constraints like capacity, offline & online order load, no of delivery assistants, ETA, etc. and proposed the same as service which could be integrated with the existing system.

### Data Over Sound

Android Library built with Java

Jun 2020

Building an open source android library which transfers data through ultrasonic waves using Direct Sequence Spread Spectrum. It uses custom protocols to achieve carrier synchronization and code synchronization.

## Hop Me

Built with NodeJs, ReactJs and Java.

Dec 2019

Built an android app which allows offline peer to peer communication by flooding user data through a mesh network for disaster mitigation.

## Indoor Navigation AR

Built with Unity and ARcore

Jun 2019

This project uses augmented reality to achieve navigation. Augmented Reality wayfinding serves as a digital guide to aid navigation. Using a mobile device, people can navigate their way around complex spaces such as theme parks, zoos, universities, hospitals, airports, and shopping centres.

## Open Source Contributions

**SSNCE App** - <https://github.com/ssn-developers/ssn-app>, [playstore link](#)

Built with Java, Android Studio and Firebase

Aug 2019

SSNCE is the official app of SSN college of engineering which allows you to get timely updates on feeds, events, workshops, clubs and placements from respective departments and the exam cell.

## Education

**SSN College Of Engineering, Chennai** - B.E Computer Science and Engineering

2017 - 2021 CGPA - **8.47** out of 10 (7 semesters)

**Bethel Matriculation Higher Secondary School, Chennai** - High School

2003 - 2017 Class 10th grade **96%**; Class 12th grade **96%**

## Achievements

- **1st** place in the coding marathon hosted by Ramco Systems and were titled **LordofTheCodes**.
- **2nd** place in IFA National Hackathon 2019 conducted by Maker's Tribe.
- **3rd** place among 340 teams in RestartIndia National Hackathon 2020.
- Winner of the title **Best use of Microsoft azure cloud services** in the first international onsite MLH hackathon by Microsoft conducted at VIT Vellore.
- **2nd** place among 50+ teams in Sastra National Hackathon 2020.
- One of the finalists in Yet Another Hackathon (YAH) conducted by SVCE ACM.
- Award for Consistent Performance in Maths, Physics and Chemistry in Class 12.

## Extracurricular Activities

- Participated in National Level Athletics Event (200 meters sprint).
- Gold medal in Division Level Athletics Event (200 meters sprint).
- Active member of SSN App Development Club.