

# Kandavel A



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## Technical Skills

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JavaScript | Python | C/C++ | Java | ReactJS | Node.js | React-Native | React360 | HTML | CSS3 | MySQL | NoSQL(Mongo) | Arduino

## Education

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SSN College of Engineering, Chennai – *B.E. Computer Science and Engineering*

2017-2021

CGPA - **8.45** out of 10 (6 semesters)

Bhavan's Rajaji Vidyashram, Chennai – *High School (CBSE)*

2003-2017

Class 10th grade **10** CGPA; Class 12<sup>th</sup> grade **94.2%**

## Experience

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Mad Street Den (Vue.ai), Chennai – Engineering Intern, Full Stack Developer

Nov 2019 – Jan 2020

Assisted in developing and refining *VUE COMMERCE* a primary service of MSD which provides visual-style based recommendations and end to end personalized solution in real-time. Also launched the extension for the above-mentioned service in Shopify Inc. Used React and Node.js as primary tools.

Sigaram Technologies, Chennai – Software Development Intern

May 2019 – June 2019

Worked on the Pickyto app developed using React Native. Fixed UI bugs and increased performance of front-end.

## Open Source Contributions

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StegCloak – <https://github.com/Kurolabs/stegcloak/>

1.8K Github Stars

Released in NPM (Admin & Maintainer)

StegCloak is a pure JavaScript steganography module designed in functional programming style, to hide secrets inside the text by compressing and encrypting with Zero Width Characters. It can be used to safely watermark strings, invisible scripts on webpages, texts on social media or for any other covert communication. Featured in GitHub Trending and [New Indian Express](#).

Airshare – <https://github.com/Kurolabs/airshare>

500 Github Stars

Released in PIP (Admin & Maintainer)

Airshare is a Python-based CLI tool and module that lets you transfer data between two machines in a local network, P2P, using Multicast-DNS. It also opens an HTTP gateway for other non-CLI external interfaces. It works completely offline! Built with Aiohttp and Zeroconf. It was also accepted in [Homebrew](#).

## Projects

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Smart Grid System

2020

Built with ReactJS, Node and Android Studio for Ramco Hackathon, won 1<sup>st</sup> place.

Designed a load balancing algorithm which will distribute the 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. Also implemented an efficient cache mechanism to restrict GMap API cost to less than 50p/order.

VR Theatre – <https://vrtheater.surge.sh>

2019

Built with React360 and Recommendation System for Facebook Global Hackathon, 1<sup>st</sup> place in regionals(India).

Built a Virtual Reality app that suggests and connects like-minded peers to watch movies and allows connection requests to strangers. Built a **user-user collaborative filtering** recommendation model to connect users with similar interest. Used **peer-to-peer** connection to chat and share the pause/play/seek functions of the video player.

## Findr - [findr.com](https://findr.com)

2020

Built with ReactJS, Node and WebRTC for Onload Hackathon, won 2<sup>nd</sup> place.

Findr is a native browser extension which would enable audio/video stream peer to peer through WebRTC. It creates virtual meeting places on the web, where peers can create or join existing rooms.

## AI based Smart Attendance System

2020

Built with React-Native, TensorFlowJs and Nodejs for SIH 2020

Developed an AI-based, foolproof attendance management system to monitor officials who are working in different districts across the country using GeoTagging, timestamp, depth detection and text-dependent speaker identification. Designed to oversee the presence of employees in the organisation with no additional hardware.

## Hop-Me

2019

Built with ReactJS, Node and Java(Android Studio) for the IFA Hackathon, won 2<sup>nd</sup> place.

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

## Medico-Alpha

2019

Built with React-Native, Nodejs, firebase for APPOFF SRM Hackathon, won 1<sup>st</sup> place.

Developed a language-independent plugin that could be used with existing pharmacies. A native app that runs on both IOS and Android to know stock and prices of all medicines sorted based on location in the consumer end.

## SSN Cultural Website - <https://ssninstincts2k19.surge.sh>

2019

Web Development Project(Reactjs)

Developed the SSN Instincts (National level cultural fest) & SSN InvenTe(National level tech symposium) website.

## Achievements

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- Won **first** place out of 300+ participants in **aSPire**, a National Level Management event held at SPJIMR, Mumbai.
- **1<sup>ST</sup>** place out of 120+ participants in the coding marathon, hosted by **Ramco Systems** and titled **LordofTheCodes**.
- **1<sup>st</sup>** place in the regionals (India) in **Facebook's Global Hackathon** (Community Challenge 2k19).
- **1<sup>st</sup>** place in YAH (Yet Another Hackathon) Hackathon SVCE ACM.
- **2<sup>nd</sup>** runner up in **Onload 2.0** Hackathon. **Credential**
- **2<sup>nd</sup>** place in **Chronus** hackathon 2020 held at Anna University.
- Awarded for best use **Microsoft Azure** in HackOff, **MLH** certified international hackathon conducted in VIT,Vellore.
- **2<sup>nd</sup>** place in IFA National Hackathon 2K19 conducted by Makers Tribe.
- **1<sup>st</sup>** place in APPOFF (Web & Application Dev) in UBERTECH Hackathon 2K19 held at SRM.
- Best **UI/UX** Designer award in AppFrenzy hackathon 2K19, held at Sri Sairam Engineering College.
- **1<sup>st</sup>** place in Ex-Log (Math Symposium) held at SSN.
- **2<sup>nd</sup>** place in B-Plan (Business Plan) event held at MIT, Chennai.
- Among the top **26** teams out of **1000+** teams that participated and were invited to **Conduent Blockchain Hackathon**, Hyderabad to build a blockchain solution.
- Award for Consistent Performance in Computer Science in Class 12.

## Extracurricular Activities

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- An active member of Facebook Developers Circle, Chennai.
- Part of Teach A School (TAS) program- educating government school students.
- Active Member of SSN Coding Club.

## Interests

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Full Stack Development (MERN), Data Structures, Competitive Programming, Machine Learning.