

Kandavel A

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Technical Skills

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

Education

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 12th grade **94.2%**

Experience

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. Worked primarily on React, NodeJS and legacy JQUERY, vanilla JS.

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

StegCloak – <https://github.com/Kurolabs/stegcloak/> 1.8K Github Stars
Released in NPM (Creator & 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 Awesome-nodejs, Awesome CLI, David Walsh's blog and [New Indian Express](#).

Airshare – <https://github.com/Kurolabs/airshare> 500 Github Stars
Released in PIP (Creator & Maintainer) 12K+ Downloads

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. Available in [Homebrew](#).

Reactfolio – <https://github.com/KuroLabs/ReactFolio>
(Creator & Maintainer) Built with Node and ReactJS

A CLI based automated Portfolio builder that only asks you to enter your details in a json file and builds a minimalistic portfolio based on it using React. Also deploys the website in surge instantly.

SonicSensor – <https://github.com/KuroLabs/sonicsensor>
(Creator & Maintainer)

Javascript module to send data in ultrasonic sound programmatically and decoding the data through a real time fast fourier transform (Data through audio in the web). Bringing contactless QR's to the web using the Web Audio API.

Projects & Hackathons

Smart Grid System - thehindu.com/sci-tech/technology/

2020

Built with ReactJS, Node and Android Studio for Ramco Hackathon, won 1st 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. Featured in The Hindu.

Virtual Galaxy - <https://devpost.com/software/virtual-galaxy-gf4dxi>

2019

Built with React360 and Recommendation System for Facebook Global Hackathon, 1st 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 - github.com/AK5123/Onload-Findr

2020

Built with ReactJS, Node and WebRTC for Onload Hackathon, won 2nd 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.

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

2019

Web Development Project(ReactJS)

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

Achievements

- Won **first** place out of 300+ participants in **aSPire**, a National Level Management event held at SPJIMR, Mumbai.
- Featured in **The Hindu** and **Indian Express** for my projects and hackathons
- Won **11/15 Hackathons** participated and shortlisted for International hackathons representing India.
- **1st** place out of 120+ participants in the coding marathon, hosted by **Ramco Systems** and titled **LordofTheCodes**.
- **1st** place in the regionals (India) in **Facebook's Global Hackathon** (Community Challenge 2k19).
- **1st** place in YAH (Yet Another Hackathon) Hackathon SVCE ACM.
- **2nd** runner up in **Onload 2.0** Hackathon. **Credential**
- **2nd** 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.
- **2nd** place in IFA National Hackathon 2K19 conducted by Makers Tribe.
- **1st** 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.
- **1st** place in Ex-Log (Math Symposium) held at SSN.
- **2nd** 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

- 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

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