

## EDUCATION

Sep 19 – May 21 New York University  
Jul 14 – Apr 18 VIT University, Vellore

Master of Science in Computer Engineering  
Bachelor of Technology in Computer Science

## SKILLS

**Languages:** HTML, CSS, JavaScript (ES6/TypeScript), Python, Java, C++, **Frameworks & Tools:** ReactJS/Redux, Angular.js(2/4), React Native, Jest/Enzyme, NodeJS/ExpressJS, GraphQL/Apollo/Relay, Numpy, Pandas, Sklearn, Git, **Databases:** MongoDB, MySQL, **Cloud:** GCP, AWS S3

## EXPERIENCE

**Research Assistant, Fire Research, NYU Tandon**

Sept 19 – Now

- Overseeing the Course Catalog App and Course Creation Platform called "Alive"(in Beta) with Prof. Prabodh Panindre from Mech. and Aerospace Department in collaboration with Fire Department of New York.
- Crafted interactive preview components keeping in mind accessible features and aria guidelines.
- Added support for continuous integration and deployment for both production and development environments.
- Revamped the Backend and the Schema of the Collaboration feature to support multiple Comment-Reply threads.
- Full stack development on React Native App and on the backend integration of Stripe payment making use of the Stripe Webhooks.
- Improved the login experience by adding OAuth support for Facebook, Twitter, LinkedIn.

React/React Native, NodeJS, MongoDB, GraphQL/Relay/Apollo

**Software Developer, Kubric**

May 18 – Jun 19

- UI Architect for Kubric's Media Management Frontend (Drive, Dropbox like capabilities), created playgrounds in fabric.js and native HTML Canvas for supporting transformations like crop, rotate, and advanced color filters for duotone and color grading using a LUT (Look Up Table) on the browser.
- Reduced the time for the app's Redux store updates by implementing batched actions and throttling various user events.
- Wrote a framework for this Media App to add filtering capabilities which reduced the overhead of adding new filters such as media type, file type, size, dominant color etc.
- Wrote middlewares to support parallel uploads of more than 100 files at a time to the Google Cloud Storage while returning the progress of the same.
- Demoed an embeddable HTML5 video player SDK as a POC with support for DASH streaming for the various video outputs which the Kubric Video system produced. The player could overlay interactive elements to create an interactive experience for shoppable ad videos.

ReactJS, Redux, MongoDB, NodeJS/ExpressJS, GCP Console and Storage

**Software Developer, Google Summer of Code · FOSSASIA**

Summer 17

- Instigated the SUSI Chat App making use of Facebook's Flux architecture pattern over the SUSI.AI Server API in Java.
- Reduced the bundle size of the SUSI Skills Web App and the build time.
- Implemented Internationalization and theming capabilities and a feedback system for the Chat App.
- Added voice i/o support using Google's Speech to Text and Text to Speech APIs.
- Improved the workflow in build and production environments by integrating the linting tool ESLint, a testing framework Jest and Travis CI for automatic deployments. Report - <https://tinyurl.com/rsf3czn>

ReactJS, Flux, Java, Kubernetes, Jest, Travis CI

## SOFTWARE PROJECTS

**Log Ingestion and Log Aggregation System, Pathivu**

Jul 19

An open source and efficient log ingestion and log aggregation system built on Rust and by indexing an app's logs and providing query capabilities for the logs on both HTTP and gRPC. — Rust, ReactJS

**Innovation Award, Insurance Score Reporter**

Dec 17

Proposed an end to end solution for predicting insurance score report based on health habits, calorie logging, voice and facial analytics. Won the Award for the most innovative idea in the Health Reporting and Management Category. — Sklearn, Numpy, Pandas, ReactJS

**Finalist, Loklak Search Project(CodeHeat.org)**

Feb 17

Contributed to this Project to implement Tweets Frequency Widget in the Loklak Search Engine using the Loklak Server APIs, added support for Search Suggestions, was also among the top 10 contributors amongst 443 participants worldwide. Angular 2

## LEADERSHIP

**Organizer, GDG-VIT (now DSC VIT)**

2015-2018

Supervised Projects and worked with a team of 50+ members and successfully launched trending applications like MyFFCS, MyVIT, gave talks on Open Source Contribution, organised meetups and conducted GDG-Devfest across the University.

**Google Summer of Code Mentor, FOSSASIA**

Summer 2018

Performed Code Reviews and helped in brainstorming across SUSI.AI Projects. Ensured daily SCRUM reports and reviewed blog posts written by students.