

Employment

Software Engineer, Intern

WhatsBusy

Summer 2020

Merchant Onboarding, Benchmarking Tool

- Integrated the data science pipelines calculating the KPIs of restaurant vs comp set and Restaurant Item Recommendations using Django API Backend and ORM.
- Streamlined the data collection process and added event triggers using AWS Lambda functions and Database Loaders using psycopg (PostgreSQL).
- Overhauled the dashboard recommendation cards and reduced the page loading time by almost 60%.

Research Assistant

Fire Research Lab, NYU

Sept 2019 – Present

Alive React Native App, Course Catalog Web App (Node/GraphQL/React)

- Revamped and shipped the e-Commerce store, payment and checkout modules of the course selling platform.
- Crafted interactive ReactJS and React Native UI components keeping in mind accessibility and aria guidelines.
- Reduced the deployment bottlenecks and boosted the SDLC efficiency by 50% by adding support for continuous integration and deployment.

Software Engineer

Kubric

May 2018 – May 2019

Kubric Storage (Smart Asset System)

- Composed a framework for adding filters to the UI such as media type, file type, size, dominant colors etc which increased code coverage by 60% and eased the process.
- Created HTML Canvas playgrounds in ReactJS for supporting transformations like crop, rotate, and advanced color filters for duotone effects on assets
- Furnished ReactJS UI Components for the app while collaborating with the design teams.

Kubric Player (kubric-player.surge.sh)

- Built an HTML5 video player SDK with DASH support, and overlaying interactive elements on videos using configuration.

Software Engineer, Intern

Google Summer of Code, FOSSASIA

Summer 2017

SUSI.AI Smart Chat Assistant (<https://tinyurl.com/rsf3czn>)

- Implemented internationalization, user authentication, theming capabilities and a feedback system in ReactJS for the Chat App.
- Implemented voice i/o features using Google's Speech to Text and Text to Speech APIs for an interactive experience.

SUSI Skills (<https://susi.ai> - Skills for Chat Assistant)

- Crafted layouts, UI components with backend integration of home page and skill page with search and filtering features.
- Reduced the bundle size of the app and the build time by 70% using code splitting and gzip compression.

Education

- **M.S. in Computer Engineering, New York University.**
- **B.Tech. in Computer Science, VIT University, India.**

Sept 2019 – May 2021

July 2014 – April 2018

Projects

- **Real Time Teaching App (2020).** RTMP and WebSocket server based live teaching app with content capture and multiple user connections. Deno, HTML Canvas, ReactJS. <https://chalk-it-out.surge.sh>
- **Adaptive Wiener Filters (2020).** A tool for Image Denoising using Least Squares Optimization. NumPy, opencv, pandas, Django.
- **Digital Photo Album (2020).** Smart Photo Storage and Album creation solution for digital studios and portfolio making. Serverless, NextJS, MongoDB, AWS. <https://heddler.com>

Additional Experience and Awards

- **Developer Circles - Vellore (2017-18):** Organized meetups and workshops as one of the founding members. Course Facilitator for ReactJS.
- **Google Developer Groups Organizer (2016-18):** Organized Hackathons, gave tech talks, and launched various open source projects, managed 50+ members.
- **Google Summer of Code Mentor (Summer 2018)** Ensured daily SCRUM Reports, performed code reviews.
- **CodeHeat Finalist (2017)** for Loklak Search (Advanced Twitter Search Engine) – Top 10 contributors amongst 443 participants worldwide, invited to FOSSASIA Tech Summit, Singapore for the award.

Languages and Technologies

- Java; Python; Javascript; C++; C; SQL;
- NodeJS; GraphQL/Apollo/Relay; Numpy; Pandas; Sklearn; MongoDB; Django; ReactJS; Angular.js(2/4); React Native; Jest/Enzyme; PostgreSQL; Serverless; AWS