

# Aswin G

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**Primary language:** JavaScript

**Other languages:** Python, Go, Java, C++.

**Soft Skills:** Leadership, Team Management, Problem Solving.

**Areas of Interest:** Frontend development, Full stack development, Android development.

## Education

Course	Institution	Board	Aggregate % / CGPA	Year of graduation
Bachelor of Technology (Computer Science and Engineering)	Govt. Model Engineering College, Thrikkakara	KTU	8.83	2021
Class XII	Bhavan's Vidya Mandir Girinagar	CBSE	96%	2017

## Experience

### Google Summer of Code Intern, Zulip

May 2018 - Aug 2018

- Improved the user experience of the Zulip mobile client by adding missing features, finding and fixing UI interaction related bugs and changing the UI to comply with material design guidelines.
- Returned to the organization as a mentor for Google Summer of Code 2019.
- Technologies used: **React Native, JavaScript.**

### **Product Development Fellow, Hasura**

**Dec 2017 - Feb 2018**

- Created two android applications during this period using React Native.
- Selected after finishing in the top 1% of participants of Modern Application Development course conducted by Hasura and IIT-M.
- Technologies used: **React Native, NodeJS.**

## **Projects**

### **Excel Play**

**Role: Full Stack developer**

- Worked on both the frontend and backend for Excel Play, the tech-fest online event website for the college.
- Ported the entire frontend from Angular 2 to React JS leveraging modern features and following best practices.
- Debugged, added features and performed maintenance on the backend built as a microservice architecture application using Python Django.
- Worked with Docker and docker-compose to containerize the application.
- Technologies used: **ReactJS, Django, SQL, Redis, Nginx, Docker.**

### **OpenSalve**

**Role: Team Lead, Android Developer**

- Created a disaster management and coordination app, inspired by the lack of such a coordination facility during the Kerala floods of mid-2018.
- Android application as client with backend written in Python Django hosted on Heroku.
- Optimized the application to not fail in adverse network conditions.
- Technologies used: **Java, Django, Android.**

### **Realtime Traffic Control System**

**Role: Software Developer**

- Created a system to automate control of signals at busy junctions.
- The system calculates green light and red light duration on the basis of vehicle density patterns for each lane separately.
- Proved using traffic simulations as being more efficient than existing methods.
- Technologies used: **OpenCV, Python.**

### **MEC Books Watch**

**Role: Team Lead, Full Stack Developer**

- A used textbook selling platform for college students.

- The web app included features such as buy/sell books, search, sort according to various parameters and inbuilt chat between buyer and seller.
- Technologies used: **ReactJS, Firebase, Go.**

### **SnapDiet**

**Role: Android Developer**

- Calorie tracking application with focus on Indian cuisine.
- Technologies used: **React Native.**

## **Achievements**

- **Google Summer of Code Scholar** in 2018, selected as **mentor** in 2019.
- **First** in **MEC-labs**, a project presentation competition conducted as part of Excel 2018, the tech fest of Govt. Model Engineering College.
- **First** in **Creative Event** 2019, 2018 and **Second** in **Creative Event** 2017, a frontend web development competition conducted as part of Excel.
- **Second** and **Third** in **Algorithms**, an onsite competitive coding event conducted as part of Excel 2019 and Excel 2018 respectively.
- **First** and **Second** in **#include**, an online competitive coding event conducted as part of Excel 2019 and Excel 2018 respectively.
- Finished in the **top 1%** of students of Modern Application Development course conducted by IIT-M and Hasura in 2017.
- Selected as **mentor** for **GirlsScript Summer of Code** in 2019 for **OpenGenus** foundation.

## **Positions of Responsibility**

- **Joint Secretary**, FOSS club of Govt. Model Engineering College.
- **Core member**, MEC Association of Computer Students (MACS), a club with a vision to inculcate aptitude for the subject among students and improve their technical talent.
- **Organizing member** of **MEC-conf 18**, a national level developer conference.
- **Event Manager**, CS-Tech team of Excel 19, the annual techfest of Govt. Model Engineering College.