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Skills

Languages: Go, Java, JavaScript, Python, SQL

Technologies: Android, Django, Docker, Git, Linux, Node, React, React Native, Redux

Experience

Zulip

May 2018 - Aug 2018

Google Summer of Code Intern

- Improved the user experience of the Zulip mobile app by increasing feature parity between mobile and web clients.
- Found and fixed several bugs and wrote unit tests.
- Updated UI to comply with material design guidelines.
- Returned to the organization as a mentor for Google Summer of Code 2019.
- Technologies used: **JavaScript, React Native.**

Excel Play

- Ported the frontend of legacy web app from Angular 2 to React JS leveraging modern features and following best practices.
- Debugged issues and added features on the backend built as microservices.
- Used Docker to containerize the application and added CI to improve developer workflow and maintain code quality.
- Deployed this web app to production for college techfest.
- Technologies used: **Django, Docker, Nginx, React, Redis, SQL.**

Hasura

Dec 2017 - Feb 2018

Product Development Fellow

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

Projects

OpenSalve

- Created a disaster management and coordination app, inspired by the lack of such a coordination facility during the Kerala floods of mid-2018.
- Provided features to map and manage relief camps and collection centers for both on the ground volunteers and disaster victims.
- Android application as client with backend hosted on Heroku.
- Optimized the application to not fail in adverse network conditions.
- Technologies used: **Android, Django, Java.**

Realtime Traffic Control System

- 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

- A used textbook selling platform for college students.
- The web app included features such as user authentication, buy/sell books, search, sort according to various parameters and inbuilt chat between buyer and seller.
- Technologies used: **Firebase, Go, JavaScript, React, Redux.**

SnapDiet

- Calorie tracking application with focus on Indian cuisine.
- Features include authentication, multiple device support, graphical representation of collected data etc.
- Technologies used: **Firebase, React Native, Redux.**

Achievements

- **Google Summer of Code Scholar** in 2018, selected as **mentor** in 2019.
- Selected as **mentor** for **GirlsScript Summer of Code** in 2019.

- **First** and **Second** in **#include**, an online competitive coding event conducted as part of Excel 2019 and Excel 2018 respectively.
- **Second** and **Third** in **Algorithms**, an onsite competitive coding event conducted as part of Excel 2019 and Excel 2018 respectively.
- **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 and 2018, **Second** in **Creative Event** 2017, a frontend web development competition conducted as part of Excel.
- Finished in the **top 1%** of students of Modern Application Development course conducted by IIT-M and Hasura in 2017.

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

Positions of Responsibility

- **Joint Secretary**, FOSS club of Govt. Model Engineering College.
- **Event Manager**, CS-Tech team of Excel 19, the annual techfest 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** 19, a national level developer conference.