

MADHAV GABA

Gurugram, India · madhavgaba2@gmail.com · +919758677897 ·
<https://linkedin.com/in/madhav-gaba-86ba21125>

EDUCATION

UIET, Panjab University
B.E. Computer Science *GPA: 7.86*

Chandigarh
2015 - 2019

EXPERIENCE

OneZeroEight Solutions Limited
Software Developer

Remote
Dec 2017 | Mar 2018

- Developed the plant for the planet web app from scratch.
- Organised multiple user information and data using redux store and middlewares for tree donation tracking and service purposes.
- Added animations using JQuery and SASS for the Trillion Tree Campaign and leader board for plantations across different countries. Link to app <https://trilliontreecampaign.org>

Google Summer of Code
Software Developer AOSSIE

Remote
Apr 2018 | Aug 2018

- Developed a hybrid mobile app 'CarbonFootprint' that detects user's current activity and calculates amount of Co2 being emitted in detected activity.
- Used Google Geo-location API to calculate the user footprint during walking, running and driving, with simultaneous updates in the firebase.
- Embedded Google Maps in the app using react-native-maps and modified its route tracking system to list the estimated footprint on the basis of transport chosen.
- Wrote unit tests using Jest for all the components. Link to repository <https://gitlab.com/aossie/CarbonFootprint-Mobile>

SKILLS

Misc:: C, C++, Data-Structures, Algorithms
Technologies and Frameworks: ReactJS, Redux, React-Native, Git, Linux, Firebase, ES6, MEAN stack

PROJECTS

Energy Harversting using Internet Of Things *Python, OpenCV, Raspbian OS*

Used upper body detection algorithm with OpenCV to calculate the location and the number of persons present in a room. Controlled the electrical appliances using Raspberry PI based on the coordinates of the persons present.

Find&Shoot : Webportal *JavaScript, Django, Bootstrap*

The web portal provides a single window clearance system for providing online approvals for Film Shooting permissions in Delhi including all types of services such as online payment, form upload and approvals, email and mobile notifications etc.

E-Richshaw Tracker *React-Native, Google-Sheets API*

Built realtime tracker for E-Rickshaws in Panjab University. Used sim808, arduino and Google Sheets API to show the movements in a hybrid mobile app.

OTHER ACTIVITIES

ACM-ICPC Kolkata-Kanpur regionals

Got selected for the Kolkata-Kanpur onsite regionals

ACM-ICPC and Codechef
Dec 2017

Smart India Hackathon Final Round

Selected for the Smart India Hackathon Final round at Hyderabad

AICTE
Apr 2018

Google Code-In Mentor

Code-In mentor under AOSSIE for the session 2018-19

Google