

# MADHAV GABA

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

## EDUCATION

<b>UIET, Panjab University</b> B.E. Computer Science <i>GPA: 7.86</i>	Chandigarh 2015 - 2019
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## EXPERIENCE

<b>OneZeroEight Solutions Limited</b> <i>Software Developer</i>	Remote Dec 2017   Mar 2018
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- Developed the plant for the planet web app from scratch.
- Organised multiple user information and data for tree donation tracking and service purposes.
- Created dashboard to list user activities and other projects running over the globe.
- Added animations for the Trillion Tree Campaign and leader board for plantations across different countries. The web app is accessible at <https://trilliontreecampaign.org>

<b>Google Summer of Code</b> <i>Software Developer AOSSIE</i>	Remote Apr 2018   Aug 2018
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- 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*

Automatic controlling of electric appliances being used in a room based on number of persons present using image detection and processing with OpenCV and Raspberry Pi

### **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-Rickshaw 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

<b>ACM-ICPC Kolkata-Kanpur regionals</b> Got selected for the Kolkata-Kanpur onsite regionals	ACM-ICPC and Codechef Dec 2017
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<b>Smart India Hackathon Final Round</b> Selected for the Smart India Hackathon Final round at Hyderabad	AICTE Apr 2018
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<b>Google Code-In Mentor</b> Code-In mentor under AOSSIE for the session 2018-19	Google
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