

# Mahikanth Nag Yalamarthi

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## EDUCATION

**University of Southern California**, Los Angeles, CA  
*Master of Science in Computer Science (Data Science)*

**Graduating May 2020**

**Osmania University** Gandhinagar, India  
Bachelor of Engineering in CS

**August 2013–May 2017**  
GPA: 88%

## TECHNICAL SKILLS

**Programming:** Java, AngularJs, C/C++, Python, NodeJs, XML, HTML, SQL, JSON

**Technologies:** REST, GIT, SPRING, JIRA, SVN

**Relevant Course Work:** Analysis of Algorithms(IP), Foundations of Artificial Intelligence(IP)

## WORK EXPERIENCE

### Accolite

*Software Engineer*

**Hyderabad, India**

*January 2017-May 2018*

#### Fatigue Event Management (FEM)

- Coded for 30 APIs in FEM as a full-stack developer with technologies such as AngularJs and Java Spring. Handled good number of time critical issues in project. I chose Tomcat server for running FEM application.
- Wrote clean and modular code following standard web development architecture patterns and performed unit testing using junit.

#### Cambium Networks (cn maestro)

- Built front end of cn maestro using AngularJs 1.6. Fixed production time issues efficiently in minimum time.
- Collaborated with backend team to ensure fast completion of modules for the application. It helped us in saving rework.

## PROJECTS

### Smart Drip Irrigation System :

*Language : Python, Android*

**Team of 3**

*January 2016–April 2016*

Automated process of changing electronic gate valves through mobile app for effective watering of crops. Created a service for maintaining perfect moisture for soil based on crop being planted by automatically turning on and off water valves. Farmer can also switch valves remotely with a mobile phone. The prototype was submitted to Govt. of India.

### Cross Talk

*Languages : JavaScript + Android*

**Team of 1**

*February 2017-March 2017*

Created a chrome extension for communicating between mobile and PC mainly for 2 features: screen shot and copy-paste. Cross Talk allows us to take a screen shot on the PC and automatically sends captured image to associated user's mobile. It can also copying text on chrome and pasting it directly on user's mobile.

### Events Manager

*Languages : Django framework Python*

**Team of 2**

*July 2016–November 2016*

Currently being used by Osmania University to manage any kind of event hosted by any department without having a clash of resources, timetable, students and other such parameters. Allows level based access to users to allow only certain staff to access important features.

### Pollution Control (PUC) - Android

*Languages : Android, PHP*

**Team of 2**

*April 2015-May 2015*

Developed an android application to collaborate with government transport department to maintain health check status of each vehicle by booking for a check online. It involved government staff to broadcast GPS signal through an app in turn notifying residents near to his/her area whoever are getting close to health certificate expiry date. The user can opt for a door step checkup.

## ACHIEVEMENTS

- Achieved 1st prize in IOT+ Android Hackathon conducted at IIIT Hyderabad as a part of Idea labs among 16 colleges.
- Secured Certificate of Achievement in ACM ICPC Coding contest for being qualified to regional level.
- Accepted funding of \$1200 for implementing a project named Smart Drip Irrigation and also it got selected as best idea for year 2015 at Osmania university.

## POSITIONS OF RESPONSIBILITY

- Selected as the GOOGLE Student Ambassador from Osmania University by Google India.
- Appointed as the President of university's Annual Technical Fest (Acumen CS).