

# Allamaneni Dheeraj

IoT DEVELOPER · AI ENTHUSIAST

4122 Harris st, Ames, Iowa

☎ (+1) 646-384-3078 | ✉ dheeraj@iastate.edu | 🏠 www.dheeraj.live | 📷 dheeraj-allamaneni | 🌐 dheerajallamaneni

“Willingness to fail is opportunity to innovate.”

## Summary

Master's student in Computer Engineering - Actively seeking an Internship/Co-op position for the upcoming Summer. Past IoT Developer at start-up company PARISHOD Tech. 1-year experience specializing in Robotics, IoT, and backend. Interested in devising a better problem-solving strategy for challenging tasks, Machine Learning Dev and love learning new technologies and tools.

## Work Experience

### Iowa State University.

GRADUATE RESEARCH ASSISTANT

- Working under guidance of Dr.Yu Wang on Energy Modeling.

T.Hub, Hyderabad

Jun. 2018 - PRESENT

### PARISHOD Tech.

IoT DEVELOPER

- Leading a Team of seven, Developed and built intelligent robots and IoT Products.
- Major projects include Agriculture automation for Mahindra Rise and Medical vending machine (IoT).

T.Hub, Hyderabad

Jun. 2017 - DEC. 2017

### INSIGNIA Labs.

RESEARCH INTERN

- Developed long range wireless power transfer system.
- Developed games with Arduino and Raspberry pi.
- Implemented pezio electric power generation.

Hyderabad, INDIA

Jan. 2015 - Apr. 2015

## Honors & Awards

### INTERNATIONAL

Jun. 2017 **1st Place**, AngelHack.

Microsoft Campus,  
India

Apr. 2017 **Finalist**, Smart India Hackathon under Department of Defense Production by Government of India . This whole project was demonstrated to Honorable PM Narendra Modi sir and has appreciated for our efforts.

Bangalore, India

Sep. 2016 **3rd Place**, Megathon (A 24Hrs hackathon) by E-Cell IIT-Hyd and IIIT-Hyd

T.Hub, India

Nov. 2016 **Finalist**, Showcased our IoT product Medicine-Reminder to Steve Crocker Chair, ICANN Board of Directors at ICANN57(18th AGM)

Hyderabad, India

Mar. 2016 **4th Place**, International Autonomous Robotics Competition at IIT-Kanpur

Kanpur, India

Dec. 2015 **2nd Place**, International Robotics Competition at IIT-Bombay

Mumbai, India

Oct. 2011 **Distinction**, Australian National Chemistry Quiz by ROYAL AUSTRALIAN CHEMICAL INSTITUTE

New Delhi, India

### DOMESTIC

Mar. 2016 **1st Place**, Autonomous Robotics at JNTUH

India

Mar. 2016 **1st Place**, Maze Solver (Robotics competition) at CVR College of Engineering

India

Apr. 2016 **2nd Place**, Project expo at Mahatma Gandhi Institute of Technology

India

Feb. 2016 **1st Place**, Robotics Competition Conducted by SAKSHI-ARENAONE Youth-fest

India

Feb. 2016 **Silver Medal**, Best performance in Electronic design projects at Mallareddy college of Engineering

India

Jan. 2016 **Finalist**, DTMF Race at IIT-Hyderabad

India

Sep. 2015 **1st Place**, Robotics Competition at FACEit-2K15( A NATIONAL LEVEL TECHNICAL SYMPOSIUM )

India

Jun. 2015 **2nd Place**, Group Discussion at Anushthana-2K14 ( Annual Cultural fest at ACE)

India

## Presentation

## IEEE Paperpresentation at Osmania University

WATER QUALITY MONITORING USING REMOTE SENSING AND NEURAL NETWORKS

Hyderabad, India

Mar. 2015

## IEEE Paperpresentation at Mahatma Gandhi Institute of Technology

SWARM ROBOTICS

Hyderabad, India

Mar. 2015

## Technical Skills

---

**Programming Languages**, : C, MATLAB, Wolfram Mathematica

**HDL S**, : VHDL, Verilog

**Tools Used**, : Xilinx ISE, MATLAB R2015a, Mathematica, IBM Bluemix, NI-LabVIEW and Multisim

**Scripting**, : Python, JavaScript

**Operating Systems**, : LINUX , WINDOWS

**Markup Languages**, : HTML5 , LaTeX

**HPC using**, : MPI , Open MP

## Education

---

### Iowa State University

MS-THESIS IN COMPUTER ENGINEERING

Ames, Iowa

Jan. 2018 - Jan. 2020

### ACE Engineering College

B.TECH. IN ELECTRONICS AND COMMUNICATION ENGINEERING

- Graduated with "**First Class**"
- **Major Project: RoadTrack** AI based Real time Road quality measurement and mapping with route planning.
- **Mini Project: Tracking Beacon** Cloud based Real time GPS tracking with Time of Arrival Estimation.

Hyderabad, India

Mar. 2013 - Jun. 2017

### DELTA Junior college

INTERMEDIATE EDUCATION IN MATHEMATICS, PHYSICS AND CHEMISTRY

- Percentage : **82.5%**

Hyderabad, India

## Certifications

---

### Self-DrivingCar Engineer Nanodegree Program

UDACITY

Aug. 2018

### HTML, CSS, and Javascript for Web Developers

JOHNS HOPKINS UNIVERSITY

Feb. 2017 - Apr. 2017

### Machine Learning

STANFORD UNIVERSITY

Dec. 2016

### Digital Circuits and Systems

IIT-MADRAS

Apr. 2015

### Programming, Data Structures and Algorithms

IIT-MADRAS

Jul. 2014