

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, Deep Learning dev and specifically interested working on Self-driving car's.

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, R, MATLAB, Wolfram Mathematica

Libraries, : Tensorflow, Keras, NumPy

Scripting, : Python, JavaScript

HPC using, : MPI, Open MP

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

HDL S, : VHDL, Verilog

Markup Languages, : HTML5, LaTeX

Education

Iowa State University

Ames, Iowa

MS-THESIS IN COMPUTER ENGINEERING

Jan. 2018 - Jan. 2020

- **Rocket Shop** I along with my team are working on Avionics of "INVICTUS" a 12' 7" rocket, which aims to reach the 30,000ft mark with our team built SRAD Propulsion motor for "Spaceport America Cup"; where we(Avionics) primarily handle all the sensors data and implement necessary actions like deploying Air Breaks, Transmitting the Telemetry data to the ground station, Analyzing the path of our Rocket and also helping in locating the rocket at Recovery stage.

ACE Engineering College

Hyderabad, India

B.TECH. IN ELECTRONICS AND COMMUNICATION ENGINEERING

Mar. 2013 - Jun. 2017

- 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.

DELTA Junior college

Hyderabad, India

INTERMEDIATE EDUCATION IN MATHEMATICS, PHYSICS AND CHEMISTRY

- Percentage : **82.5%**

Certifications

Self-DrivingCar Engineer Nanodegree Program

UDACITY

Aug. 2018

Neural Networks and Deep Learning

COURSERA

Sep. 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