

# K SANJAY REDDY

IoT Developer and Robotics Enthusiast.

2+ years experience in building Electronics and IoT prototypes

ksanjayreddy817@gmail.com ✉

9040007597 📞

www.sanjayreddy.ml 🌐

www.github.com/KSanjayReddy 🐙

## WORK EXPERIENCE

### Research Intern

#### Escorts Group

05/2017 – Present

Bhubaneswar

Achievements/Tasks

- Built a vision based autonomous intra-row weeding machine prototype

### IoT Developer Intern

#### Kriyative Edge

12/2016 – 01/2017

Hyderabad

Achievements/Tasks

- Built an IoT based Real time Water monitoring System using Esp8266 and python as backend language.

### Core Member

#### Zairza Technical Club

Achievements/Tasks

- Completed projects, organised workshops, fest, competitions ,participated in many competitions.

### Electronics Prototyper

#### Freelancing

Achievements/Tasks

- Successfully completed the projects of 4 clients.

## PROJECTS UNDERTAKEN

### Simultaneous Localisation and Mapping (Python)

- Implemented SLAM concepts with laser scan data and wheel encoder data in python.

### Arduino Smart MPPT Tracker

- A MPPT module using arduino with P&O algorithm and IoT enabled for remote monitoring.

### MANUS

- A usb mouse controlled robotic arm with 6 degrees of freedom using Arduino and Processing .

### Shape Detection using OpenCV

- Shape detection using openCV and python to identify different geometrical shapes in a image.

### Vibrational Data Logger

- A tool to observe the vibrations of a shaft with accuracy using mpu6050, arduino, i2c, matplotlib and python.

### Tic Tac Toe

- An Android application of the tic tac toe game using Mini Max Algorithm.

## EDUCATION

### B.Tech - Electrical Engineering

College of Engineering and Technology, BBSR

Courses

- 8.77 CGPA ( upto 5th Sem)

## POSITIONS OF RESPONSIBILITY

- |                          |                         |
|--------------------------|-------------------------|
| 1. Student Coordinator - | Zairza Technical Club   |
| 2. Technical Convener -  | CET BBSR, 2018          |
| 3. Event Coordinator -   | Perception,Xtasy (CET ) |

## ACHIEVEMENTS

Winner- Annual Technical Exhibition of CET

Winner for the Self driving car prototype.

Winner IoT Challenge

TechnoXian, AICRA, E-Cell, IIT Delhi

Knowledgexpo 2017 - National Level Technical Exhibition

Represented my college at the Exhibition.

Runners up - Line follower Competition

At the Technical fest of my college

## TECHNICAL COURSES

Internet of Things (IOT) Specialisation (5 courses)

University of California, Irvine, Coursera

Python for Everybody Specialisation (4 courses)

University of Michigan, Coursera

## CERTIFICATES

Study Jams Android Fundamentals - 2016

Google, Udacity & GDG Bhubaneswar

UAV & Quadcopter Training

i3india Technogies

Supervisory Control and Data Acquisition (SCADA)

Central Tool Room and Training Centre, Bhubaneswar

HTML,CSS and JavaScript

The Hong Kong University of Science and Technology

## LANGUAGES

English  
Upper-intermediate

Telugu  
Native

Hindi  
Native

Odia  
Expert

## INTERESTS

Playing Basketball

Teaching

Volunteering

YouTuber

Technology