

# SANDEEP KALARI

## COMPUTER SCIENCE

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mothinagar, Hyderabad, Telangana, India.

## Internship Training

### skill vertex

Web-Developer and IOT developer

- Full stack developer.
- Build an IOT real time software product like smart hydroponics with IBM cloud.

## Projects

### Realestate website "happyhomes"

Full stack developer

feb 2020 - may2020

- Utilized WordPress and HTML, CSS, Java Script to create a full stack website.

### Smart Farming using IOT and Machine learning -full end

feb 2021 – may  
2021

Develope

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- Basically, it is a automation of hydroponics system. It contains IOT hardware sensors and microcontrollers using programing language in python and Ubuntu server. machine-learning Algorithm (polynomial regression) is used for future temperature prediction.
- Mainly monitoring temperature, humidity, sunlight, Water level (for plants) data in indoor hydroponicssystem and sending alert messages to telegram channel or SMS or Email using Auth tokens or API keys.

### smart home uisng IOT and IBM cloud - Full end developer

may 2021 - current

- Using ESP8266 as micro controller and different sensors for the project, code will be executed in Arduino software sensor data is transferred to IBM cloud with MQTTfx protocol through WI-FI.
- Web designing will be done in the IBM cloud with the help of the Node-red module.

## Education

### Chithanya Bharathi Institute of Technology

Masters of Computer Application (MCA), Computer Science

2018 - Current, GPA: 3.7/4.0

Gnadipet, Telengana, India .

**Awards:** 3rd position in academic grade

**Relevant courses:** Advanced Algorithm Design, Data Structures, Internet of Things, Machine Learning, Network Security.

### Acharya Nagarjuna University (Vidyakendram Degree & PG collage)

Bachloer of commerce, Commerce

2015 - 2018, GPA: 3.0/4.0

Guntur, Andrapredesh, India.

**Relevant courses:** Business Analytics

## Skills

### Programming languages

c, c++, python, java script, HTML.

### Technologies

IOT, Machine Learning, Cloud Computing, Network Security.

## Certifications

- IOT and Machine Learning, Bolt-IOT
- web development, SkillVertex
- IOT and robotics, SkillVertex

## Presentations and Publications

- Published a paper in international Conference association with InSc organization "ETCTA 2021" Paper Name "Smart Farming using IOT and Machine Learning".
- Published a paper in PENSEE International Journal "Hydroponics Farming using IOT and Temperature Prediction" Paper ID: PNS-0721-71.
- Presented a solution called "Digitization existing tax system" in "National Research Day 2019" and got second price for my idea with in department.
- In online national research day 2020 presented a concept called "How electricity can be saved using IOT".
- Participated in "National technical fest Techeon 2021" and presented "Home automation using IOT" in that i got first price in whole event.

## Workshops/Seminars

- Attended for international 5day workshop for "Building Data-Driven Solutions using Data Analytics with ML and DL Algorithms".
- Attended 2 day seminar IOT and its trend national seminar 2019.

## Achievements/Awards:

- me and my friends started a website called "KAPS.cf" which is basically a online tax filing website and till now we got 6 clients.
- Got excellence award in skill vertex IOT and robotics internship.
- Got runner up award in college level badminton tournament.

## Extracurricular Activities

- Member of collage robotic club,
- Member of entrepreneurship club in collage.
- I am badminton and volley-ball player for our department.

