

SANDEEP KALARI

COMPUTER SCIENCE

Skala003@odu.edu, +1 5717522805,
1049 w, 49 th street, Norfolk, VA.

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 college)

Bachelor of Commerce, Commerce

2015 - 2018, GPA: 3.0/4.0

Guntur, Andrapredesh, India.

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.

