

RESUME

YARRAM INDUSEKHAR
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Career Objective:

To be in a career where I can work with passion and implement my innovative thoughts for organization development while enhancing my knowledge with the help of organizational development.

Educational Qualifications:

1. B.Tech in Electronics and Communication Engineering (2015- 2019) from PACE Institute of Technology and Sciences, Ongole (Jawaharlal Nehru Technological University, Kakinada) with an aggregate of 80%
2. Intermediate from Narayana jr college, Ongole (March 2015) with an aggregate of 91.3%
3. S.S.C from PACE the global school, Ongole (March 2013) with an aggregate of 8.7 GPA.

Work Expertise:

1. Smart vehicle lighting system (embedded systems project and applied for PATENT)

Project description:

The smart vehicle lighting system places a vital role in the nighttime to avoid accidents. Poor lighting during turnings makes the driver uncomfortable to drive the vehicle in the proper direction because of poor visibility. Hence, there is an urgent need to focus attention on the lighting system during turning.

The objective of the work is to design and develop a lighting system for vehicles which acts as directional headlights. This is done by connecting the headlights and the steering with Microcontroller unit and a 4 channel relay.

The rack and pinion steering gear mechanism were used in this project. When the steering rotates, the sensor detects the steering motion and sends the signal to the Microcontroller unit, the control unit transmits the signal to the DC motor and light get a turn.

2. Microcontroller based low-cost intelligent office smart bins (Major Project)

Project description:

The main aim of this project is to monitor the level of garbage bins. It will save time and also prevents the environment from pollution.

In this proposed system the level of garbage in the dustbins is detected with the help of Ultrasonic sensor which is interfaced to Arduino UNO board. Arduino will be programmed in such a way that when the dustbin is being filled, the remaining height from the threshold height will be displayed the detected garbage level which sends message and location to the authorized person through GSM and GPS Module. So continuous monitoring of garbage bins will keep the environment clean.

3. Microcontroller based smart water monitoring system(Minor Project)

Project description:

The main aim of this project is to monitor the level of the water tank. In this proposed system the level of water in the tank is detected with the help of Ultrasonic sensor which is interfaced to Arduino UNO board. Arduino will be programmed in such a way that when the tank is being filled, the remaining height from the threshold height will be displayed the detected water level which sends message and location to the authorized person through GSM and GPS Module. So continuous monitoring of water in the tank will reduce the overflow of water from the tank.

Technical Skills:

1. Programming Languages: C, Core Java (Basics), Python (Basics).
2. Documentation Tools: Tableau visualization. MS Office.
3. Designing Tools: Lab VIEW, Multisim, Xilinx ISE, Proteus (PCB design).
4. Operating Systems: Windows (XP, 7, 8, 10), Ubuntu, Linux including Cent OS.
5. Protocols: TCP/IP.
6. Databases: SQL.
7. Web Technologies: HTML, CSS.
8. Embedded IDEs: ARDUINO, Keil uvision 3.

Trained from Industrial Sector:

Company Name: Tibrewala Electronics Ltd (TIBCON CAPACITORS), Hyd.
Work Role: Manufactured & Tested different types of Capacitors
Duration: Two Months (23rd April'18 to 23rd June'18)

Summer Internship Program:

Company Name: NSIC, Hyd.
Project Title: Accident Identification with Vibration Sensor control application by using RF
Tech. Duration: Two Months (15th May'17 to 13th July'17)

Certifications:

1. Successfully completed WHEEBOX Employability Skills Test and secured India wide 81st Percentile Rank.
2. Successfully completed NPTEL online certification course in Introduction to Programming in C conducted by IIT Kanpur.
3. Successfully completed SOLOLEARN online certification course in SQL Fundamentals.
4. Successfully completed SOLOLEARN online certification course in Python 3 Tutorial.

Co-circular Activities:

1. Participated in Poster Presentation competition on the topic "A Brief Study on Disaster Management For Space Technologies".
2. Participated in Paper Presentation competition on the topic "Understanding the Fundamentals of PAPER BATTERY".
3. Participated in the PAPER CONTEST-2017 on the topic "A Brief Study on Disaster management for space technologies" conducted by IETE Vijayawada Center.
4. I was ranked 4TH in INJNTU (injntu.com) volunteer awards for the 2017-18 academic year.

Workshops Attended:

1. Attended a two-day workshop on PCB Design conducted by IETE.
2. Attended a one-day national level workshop on IoT & Its Applications in the field of engineering.
3. Attended a two-day national level workshop on Ultrasonic Robotics at NSSC-IIT KHARAGPUR.
4. Attended a three-day workshop on Embedded System (IoT) Fundamentals organized by Andhra Pradesh state skill development center (APSSDC).
5. Attended a three-day workshop on National Instruments LabVIEW organized by Andhra Pradesh information technology academy (APITA).

Memberships in Professional Bodies:

1. Student coordinator, IETE
2. Student member, ISTE

Paper Publications:

1. Published a paper on the topic “disaster management for space technologies” in "large scale multidisciplinary systems of national significance – trends & challenges” (LAMSYS-2016) Organized by ISSE Sriharikota-Chennai Chapter at ISRO Satish Dhawan Space Center SHAR Sriharikota.
2. One manuscript entitled "Design of Sigma Delta ADC for Bio Signal (ECG) Acquisition" has been published online through Open Journal System (OJS) in the issue of International Journal of VLSI Design, Microelectronics, and Embedded System.

Areas of Interests:

Digital Electronics, Telecom, Industry automation, Software Engineering, Computer Networks, Artificial Intelligence.

Conference Attended:

Attended a National Conference on “large scale multi- disciplinary systems of national significance – trends & challenges” (LAMSYS-2016) Organized by ISSE Sriharikota-Chennai Chapter at ISRO Satish Dhawan Space Center SHAR Sriharikota and published a paper on the topic “disaster management for space technologies”.

Soft Skills:

1. Quick learning ability.
2. Good logical & analytical capabilities.
3. Ability to work with any kind of people in a team.
4. Good Presentation Skills and Communication Skills

Hobbies & Interests:

Doing mini Projects, gathering information about technologies and its development, browsing the internet, playing cricket.

Personal Profile:

Name:	Yarram Indu Sekhar
Fathers Name:	Yarram Srinivasa Reddy
Mother Name:	Yarram Suvarchala
Date of Birth:	19th May 1998
Gender:	Male
Passport:	Yes
Nationality:	Indian
Languages Known:	English & Telugu
Permanent Address:	Y.Indu Sekhar H.No:7-02(A), Behind Wood Complex, Jayaprakash colony, Ongole.

Declaration:

I hereby confirm that the information mentioned above is true and correct to the best of my knowledge and belief.

Place: Ongole

Date:

Y.INDU SEKHAR