

## K.R.HARISURIYA

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### OBJECTIVE

To work in a challenging atmosphere by exhibiting my skills and dedicated smart work for the growth of your esteemed organization and development for my career.

### EDUCATION

S.NO	Degree	YearofPassing	Institution	Percentage/CPGA
1	B.E	2020	Sri Venkateswara College of Engineering, Chennai.	8.43
3	HSC	2016	Sunbeam matric Hr.Sec.School, Vellore.	85
4	SSLC	2014	Sunbeam matric Hr.sec school, Vellore	95

### TECHNICAL SKILLS

- Languages : C , C++, Java, Apex, Salesforce, Css, Html, Bootstrap.
- Operating System : Windows., Ios, Mac os, Android, Ubuntu.
- Database : Basic.
- IDE : Net Beans, Eclipse, Android sdk, Dev., visual studios, putty.
- Tools used : Aws, Appery.io, Luis, Microsoft q&a., Mit app Inventory, Microsoft Azure.

### INPLANT TRAINING DETAILS/INDUSTRIAL VISIT

- Five days in plant training in BHEL BAP, Ranipet.
- Five days in plant training in 400KV Substation in Chennai.
- Five days in plant training in 110KV Substation in Vellore.
- Two days in plant training in operation and Function of wind generator in Aralvaimozhi, Nagcoil.
- Visited an assemblers of relays and circuit breaker in irungatukotai sipcot.
- Visited a Locoshed in arakkonam.
- Visited Nippon paints in sriperumbadur sipcot.

### AREA OF INTEREST

- Automation, iot and website development.
- C and Java Programming.
- Developing applications.
- Electric machines.
- Embeded system and microprocessor.

## ACHIEVEMENTS

- Got 2<sup>nd</sup> place in innovation day held at svce among 500 participant.
- Develop an android application and Homeautomation system that could help Blind peoples.

## PROJECT UNDERTAKEN

S. No	Title	Software /Hardware	Duration (months, hours)	Description
1	Home automation using Bluetooth,Arduino,android and neural network.	Arduino IDE, android, Mit app inventory / Arduino, own embedded architecture.	(3,3)	It is similar to AMAZON ALEXA but unlike it cost around 30k,we have developed for 2k,It uses natural language processing to understand user input then it is processed by our own embedded architecture to drive desire output using relays and I looking forward to do patent on my work.
2	ChatBot	Visualstud ios(c#) & LUIS	(1,1)	The proposed work used to make the automatic Language understanding from user and process desired answer depends upon user needs without help of customer care executive.
3	Ion thruster to drive train.	Embedded hardware to switch relays,hig hvoltage converter, propeller,b luetooth.	(1,1)	My new idea got from hyperloop concept,ION thruster basically used in space shuttle to produce small torque instead of using large amount of energy ,My idea is why cant we use same system in convectional trains instead of using low efficiency motor.Because the efficiency of ion thruster is99%.

4	Prevention collision Using Radar.	Embedded Architectu re.	(1,1)	By using sensor data from radar the microcontroller evaluates the collision rate and send the signal to the brakes.
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#### WORKSHOP

- Participated in the one day workshop on "Hybrid mobile app development" in conjunction with NCCIS organized by the department of information technology, held at Loyola ICAM, during month of March 10 2017.
- participated in one day national workshop at "power electronic and application to power systems" organized by school of Electrical Engineering, VIT university, Vellore in association with EMTP software, Powersys Chennai, during 11 August 2017.
- participated in two days national workshop on "A revolutionary technology-IoT application in electrical and electronic engineering" organised by department of EEE, SVCE, during month of 3<sup>rd</sup> and 4<sup>th</sup> January 2019.
- participated in an international conference on IoT organized by PALS held at Rajalakshmi Institute of Technology, during month of September.
- participated in Circuitrix conducted by IEEE, Chennai (2019).

#### STRENGTH

- Communication
- Self confidence
- Team player
- Hard worker

#### PERSONAL WEBSITE

Developed a personal website using CSS, HTML and Bootstrap. Became freelancer web developer from Jul 2019 to current.

#### DECLARATION

I hereby declare that the above-furnished particulars are true to the best of my knowledge and belief.