



DHARANI KANNA K V

ELECTRONICS AND COMMUNICATION ENGINEER

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Address: Flat no: 227, 4th street, SK township, Ammapet, Salem-636014

INTERNSHIP EXPERIENCE

TECH_μC AUTOMATION

Position: EMBEDDED DEVELOPER

Timing: Part time & Week ends

TCS NQT SCORE : 63.98%

PERSONAL SKILLS

- LEADERSHIP
- COMFORT TO COMMUNICATON
- ACTIVE LISTENER
- FLEXIBLE AND PATENCE
- INTRESTED TO LEARN NEW THINGS
- TECHNICAL SKILLS

LANGUAGES

- தமிழ்
- ENGLISH

TECHNICAL SHILLS

WIRELESS

- LoRa
- Zigbee
- ESP8266
- GPS
- GSM

DEVELOPMENT BOARDS

- Arduino
- Raspberry pi
- Many Transducers (SENSORS)

PROJECT AREA

- IOT Automations
- Bio-Medical Electronics
- Web designs in Full stack
- Automation using Embedded
- Android applications

PROGRAMMING LANGUAGES

- EMBEDDED C
- PYTHON
- (Django, Flask, NumPy, Pandas, Scikit learn, Matplotlib)
- C – PROGRAMMING
- R Script
- Core PHP
- MySQL (DB)
- Java script

EDUCATION

B.E | ELECTRONICS AND COMMUNICATION ENGINEERING | CGPA 6th Semester : 72%

TAMILNADU COLLEGE OF ENGINEERING, Coimbatore, Tamilnadu.

(2017-2021)

HIGHER SECONDARY EDUCATION - State board

SRK MATRIC HIGHER SECONDARY SCHOOL, Salem, Tamilnadu.

| **Mark in Percentage : 65%**

(2016-2017)

SSC – CBSE

SRI VIDYA MANDIR SENIOR SECONDARY SCHOOL, Salem, Tamilnadu.

| **Mark in Percentage : 80%**

(2014- 2015)

PROJECTS

1. WHATS APP CHATBOT

In this project I have integrated lot of specification in this chatbot like Translator, sentiment analyzing, Virtual friend chatting system, Searching system.

Technology used: Flask, Textblob library, Heroku, Twilio API, NLP, Machine learning.

2. PROTHETIC ARM

In this project using EMG rate of Muscle contraction and Voice Command, this Robotic arm Will be manipulated.

Technology used: EMG sensor, Arduino, Bluetooth, Servo motor, Embedded C Programming.

3. SMART HELMET

In this project we have start engine when the person is Wear helmet without consume any liquor.

Technology used: MQ2 sensor, Arduino, GSM, IR Sensor, Embedded C Programming.

4. PARKING MANAGEMENT

In this project object detection sensor monitor vehicle parking system and update over IoT platform.

Technology used: Arduino, NODE MCU, IR Sensor, Embedded C Programming.

5. IoT MOBILE APPLICATION FOR HOME APPLIANCES CONTROL

In this project we build a mobile application we can efficiently control and monitor whole house in smart way.

Technology used: Arduino, NODE MCU, IR Sensor, Embedded C Programming, Flutter, Firebase.

APPROACHED & PARTICIPATED PROJECTS

1. VISHWAKARMA AWARDS

- It is conducted by Central government on theme of increasing income of the rural people.
- I approached to make By-products of “Banana” by smart way. (smart Farmer’s market).

2. SMART INDIA HACKATHON (2019)

- I have approached idea for a problem that “To identify the own sweating odor by mobile app. Before nearby person smell the odor”.

3. SMART INDIA HACKATHON (2020)

- I have approached idea for a task to design “E-Vehicle’s Battery Health Monitoring System”.

ABOUT MYSELF

- In Team project I lead and Motivate the team with positive energy.
- I handled Workshop for my juniors on the topic of “**EMBEDDED DEVELOPMENT USING MULTISIM V.14 SIMULATOR**”.
- I have participated in conference, symposiums to execute my innovative ideas through Technical Presentation’s and Project expo.
- I have attended Workshops to explore many interesting topics (Hand on training in hardware, IOT, Cyber Security, analyzing of signals using MATLAB).
- Attended some hand on training at “**CALIBER EMBEDDED TECHNOLOGIES**”. And learned basic skills on VLSI, Hardware, Raspberry pi in these trainings.

CENTRAL GOVERNMENT TRAINING EXPERIENCE (DECEMBER 2020)

- I have selected for IEP on FPGA Based Embedded Systems - Covering Swadeshi Microprocessors training in NEILT, Calicut.
- Training topics is VEGA Processor and SHAKTI processor using Hardware Remote lab.

DECLARATION

I hereby declare that all the information mentioned in my resume is true and correct to my knowledge and I take full responsibility for the accuracy of the particulars mentioned. I have attached All my detail with this resume for clarification

Signature

DHARANI KANNA K V