



DHARANI KANNA K V

ELECTRONICS AND COMMUNICATION ENGINEER

E-Mail: dharanikanna1999@gmail.com

Mobile: 9698208798

LinkedIn: www.linkedin.com/in/dharani-kanna-k-v-ab5385186

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

| Mark in Percentage : 65%

SRK MATRIC HIGHER SECONDARY SCHOOL, Salem, Tamilnadu.

(2016-2017)

SSC – CBSE

| Mark in Percentage : 80%

SRI VIDYA MANDIR SENIOR SECONDARY SCHOOL, Salem, Tamilnadu.

(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