

NIVED O

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PROFESSIONAL OBJECTIVE

To develop my career as a highly talented associate where I will be a valuable team member, contributing quality ideas and work for an organization where there is an ample scope for individual as well as organizational growth.

SPECIALISATION

Advanced Diploma in Embedded System at Quest Innovative Solution, Kannur (Worked as a - Trainee)

EDUCATIONAL QUALIFICATION

❖ Bachelor in Electrical and electronics – 6.26

Institute of Engineering & Technology, Thenhipalam

Malappuram Kerala, Calicut university

Course Completion : 2018

❖ Class XII – 70%

Computer Science – SN Trust Higher

Secondary school

Year of Passing : 2014

❖ Class X – 75%

Azhikode High school

Year of Passing : 2012

EXPERIENCE

Atwic R&D Pvt Ltd (Ernakulam)

(February 2022 – June 2022)

Junior Embedded Firmware Engineer.

PROJECT DETAILS

Vibration Logger

To measure vibration on a surface by using acceleration IC (ADXL372)

Drivers Developed

❖ LSM6DSM (Acceleration and Gyroscope IC)

For measuring acceleration and motion.

❖ BQ27411G1(Battery Gauge IC)

For measuring Battery level , Remaining Voltage, Total capacity, Etc.

❖ ADXL372

For measuring Acceleration.

ACADEMIC PROJECTS

• FIREFIGHTING ROBOT OPERATED BY REMOTE CONTROL: .

This project involves the design of a remote controlled fire fighting robot that can be controlled from an Android application installed on the phone. Raspberry Pi is the heart of the robot. And the Pi camera is used to provide live feed from the robot back to the Android application. On detecting a fire, robot can be navigated to the place on fire and it can spray water to extinguish the flame.

TECHNICAL SKILLS

• Programming Languages

C

Embedded C

python

• Programming Tools

MPLAB

KEIL

PROTEUS

WINAVR

• Communication Protocols

UART

SPI

I2C

• Microcontrollers and Microprocessors

PIC-PIC16F876A

ARM-LPC2148

ARM CORTEX- LPC1768

AVR-ATMEGA128

• Embedded Networking

• PCB Designing

Diptrace

• Interfacing

LCD

Keypad

RTC

PERSONAL DETAILS

Nationality : Indian

Date of Birth : 4 July 1997

Gender : Male

Marital Status : Single

Permanent Address : Ondakken house, Poothappara south , 670009 , Kannur , Kerala.

DECLARATION

I do hereby declare that the information and facts furnished above are true to the best of my knowledge and belief.

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