NIVED O

EMBEDDED SOFTWARE ENGINEER

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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 individualas well as organizational growth.

SPECIALISATION

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

Trainee)

EXPERIENCE

Atwic R&D Pvt Ltd

Junior Embedded Firmware Engineer.

(February2022– June2022)

EDUCATIONAL   QUALIFICATION

❖ **Advanced Diploma in Embedded systems**

Quest Innovative solutions Pvt Ltd ,Kannur

(03/2020 – 07/2020)

❖ **Bachelor in Electrical and electronics – 6.26**

Institute of Engineering &Technology ,Thenhipalam
Malappuram Kerala , Calicut university
Course Completion : **2018**

INTERNSHIPS

❖ **Internship in Python Full stack development**.
Fututra Labs technologies LLP,
Kozhikode.

PROJECT DETAILS

❖ **Job Portal**

Developed the website for job seeking . Frontend of the project is devloped using ReactJs and Backend of the project is developed using Python. **Tools used are Visual studio code and PyCharm.**

❖ **Palliative Care Management**

Developed the website for Palliative care management. And the project is developed using Python and Pycharm.

- ❖ **Workshop Management(Mini Project)**

     Developed the website for workshop management. And the project is developed by using Python and Pycharm.

- ❖ **Vibration Logger**

     This project is developed using Embedded c in MPLAB Ide to measure vibration effects on   surface of an object.ADXL372 IC is used for measuring vibration.

Embedded Device Drivers Developed

- ❖ **LSM6DSM(Acceleration and Gyroscope IC)**

     Driver developed to measure acceleration and motion. Tools used are   Embedded c and MPLAB Ide.

- ❖ **BQ27411G1(Battery Gauge IC)**

     Driver developed to measure Battery level, Remaining Voltage, Total capacity, etc. Developed using Embedded C.

- ❖ **ADXL372**

     Driver developed for measuring acceleration. Developed using Embedded c.

ACADEMIC PROJECT

- ❖ **Firefighting Robot Operated By Remote Control**

     This project involves the design of a remote . controlled firefighting robot that can be controlled from a mobile application.

TECHNICAL   SKILLS

- ❖ **Programming Languages**
     C, Embedded C, python , Javascript, React Js, Rest API,HTML.
- ❖ **Programming Tools**
     MPLAB , KEIL, PROTEUS, WINAVR,VSCODE, POSTMAN.
- ❖ **Communication Protocols**
     UART, SPI , I2C.
- ❖ **Microcontrollers and Microprocessors**
     PIC-PIC16F876A , ARM-LPC2148,ARM CORTEX- LPC1768, AVR-ATMEGA128, DSPIC33.
- ❖ **Interfacing**
     LCD, Keypad ,RTC.

SOFT   SKILLS

- ❖ Communication

- ❖ Quick Learning

- ❖ Research and development

- ❖ Problem solving