



BETTY GEORGE

Embedded Engineer

OBJECTIVE

"To leverage my knowledge in electronics and communication engineering to contribute to innovative projects, enhance system efficiency, and develop cutting-edge solutions, while continuously learning and growing in a dynamic and challenging environment."

EXPERIRNCE

April

Quest Innovative Solutions,Kochi

2023

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Embedded Engineer Trainee.

2024

Worked as an Embedded trainee where I worked on various tasks and peripherals on microcontrollers PIC ,ARM,ATEGA128 and RASPBERRI PI.

Experience in communication protocols I2C, SPI and UART

Experience in peripherals like PWM and ADC

Experience in C, C++ and Python basics.

EDUCATION

2018 - 2022

Toc H Institute of Science and Technology

B.Tech -Electronics and Communication

6.62 CGPA

2016 - 2018

St.Ignatius H.S.S ,Kanjiramattom,Ernakulam

Higher Seconday Education

68.17 %

2015 - 2016

St.Mary's H.S,Kandanad,Ernakulam

Secondary Education

85.56 %

DOB

14/01/2001

SKILLS

- C-Programming
- Basics of python
- Basics of C++
- MPLAB
- Proteus
- Familiar with PIC16F876A
- ARM
- ATMEGA128
- RTOS
- Familiar with LPC2148
- I2C,SPI & UART PROTOCOLS

INTEREST

- Traveling
- Learning
- Reading
- Hearing music
- Cooking
- Singing
- Badminton
- Nail art

ACHIEVEMENTS & AWARDS

1. Volunteered in NSS for 2 years.
2. Volunteered for Young Indians(YI) and coordinated technical events & seminars.
3. Contributed to making chekutties during a voluntary activity.

LANGUAGE

English

Malayalam

Battery Charger using SCR (Mini Project)

1. This project involves designing a 12V battery charger utilizing SCR technology, with adaptability for 6V and 9V batteries by adjusting components.
2. SCRs are used for both voltage regulation and fault protection against reverse polarity.
3. AC input is stepped down, rectified, and supplied to the SCR for charging.
4. Two SCRs manage the process: the main SCR controls the charging current, while the auxiliary SCR signals completion.
5. LEDs provide visual indicators for charging status and completion.

Acci-lert System - Accident Detection & Alert System (Major Project)

1. Acci-lert system utilizes sensors to detect accidents.
2. Upon detection, it triggers an alert to predefined contacts through SMS and a web application.
3. The system includes a reset switch for minor accidents to prevent unnecessary alerts.
4. Seat belt sensor integrated with engine ignition system enhances passenger safety.

PUBLICATIONS

"Acci-lert System", International Journal of Science & Engineering Development Research (www.ijrti.org), ISSN:2455-2631,

Vol.7, Issue 7, page no.499 - 505, July-2022.

Research Area: Electronics & Communication Engg.

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