Anitta Garvadis

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EMBEDDED SYSTEMS ENGINEER

Dynamic electronics engineer with specialization in electronics and communication, skilled in MPLAB, KEIL, ARM, PIC ,Raspberry pi and RTOS with a strong academic background, C programming proficiency. Committed to continuous learning and skill enhancement to stay at the forefront of industry advancements. Bringing adaptability, dedication, and enthusiasm to contribute to innovative projects in a challenging role.

TECHNICAL SKILLS

- PIC,ARM,RASPBERRY PI,AVR ,Node MCU ESP8266
- Communication Protocols : SPI, UART,I2C
- Development Tools : Code Block, Keil uVision,MPLab,PythonIDLE, Programmers Notepad,Ardinuo IDE
- Simulation Tools : Proteus 8,LT Spice
- Programming Languages :C,PYTHON
- Operating Systems: Windows,Linux

SOFT SKILLS

- Team Player
- Critical Thinking
- Responsibility
- Time Management
- Adaptability

PROFESSIONAL EXPERIENCE

Kerala State IT Mission

Post : Graduate Apprentice Trainee   **Present**

Creation of email IDs for all government departments, along with the ability to update and reactivate existing email accounts. Another project involves configuring the VC setup within the IT mission.

INTERNSHIP

Quest Innovative Solutions

Post : Embedded Systems Trainee   **september 2023 - september 2024**

Developed embedded code for microcontrollers PIC16F876A, LPC2148, LPC1768, AVR and Raspberry Pi3. Developed embedded code for serial communication protocols UART, SPI, I2C. Interfaced PIC16f876A with pushbutton, 16x2 LCD, Potentiometer, DC motor, RFID & keypad. Dimming of LED using PWM and ADC in PIC16F876A. Speed control of DC motor using PWM and ADC in PIC16f876A. RFID based password authentication in PIC16F876A. Numeric Keypad based password authentication in PIC16F876A. GUI based button and LED control using Raspberry Pi. By using AVR done multiple tasks that includes Uart,Ports

PROJECTS

Classification of Volatile Organic Compounds using Machine Learning
(Govt.Model Engineering College,year 2023)   **Duration: 6 months**

- **Technology(s) used**: ESP32 Devkit V1, Multi-channel. Gas Sensor, Collab, Arduino IDE Platform.

- To detect hazardous Volatile Organic Compounds (VOCs) using Machine Learning to ensure worker safety and quality assurance in industrial applications.

IoT Based Parking System
(Govt.Model Engineering College,year 2022)   **Duration: 6 months**

- **Technology(s) used**: Node MCU ESP8266, IR Sensor, Arduino IDE, MIT App Inventor

- Aim to build an IoT based parking system linked with an app which allows to check and reserve parking slots.

Hybrid Electric Vehicle
(K.K.M.M.P.T.C MALA ,year 2020)   **Duration: 6 months**

- **Technology(s) used**: Solar rays, Piezoelectric, Wind energy

- Designed a scooter with renewable energy, that can be powered up by three ways such as using the sun rays, wind energy and finally the concept of piezoelectric energy harvesting. So the effective hybrid electric vehicle can be build that has the efficiency of the conventional vehicles with engines but they are pollution free.

EDUCATIONAL QUALIFICATION

- BTech   : Electronics and Communication Engineering   **2020 - 2023**
  Govt. Model Engineering College, Thrikkakara (KTU)
  Percentage : 66

- Diploma   : Electronics Engineering   **2017 - 2020**
  K.K.M.M.P.T.C ,Mala (State Board of Technical Education)
  Percentage : 87.4

- Class XII   **2015 -2017**
  St. Joseph's H.S.S, Kidangoor (State)
  Percentage : 78

- Class X   **2015**
  H.F.H.S, Thabore (State)
  Percentage : 86.6

PERSONAL DETAILS

- Contact number : 7594059804
- Address   : Areekal House,Thabore P.O,Thabore, 683577
- DOB   : 24/06/1999
- Gender   : Female
- Nationality   : Indian

REFERENCE

- **Mrs. Sruthy.A**, HR, Quest innovative solutions, Kadavanthra,+91 9567018469
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- **Mrs. Ambili K,** Assistant Mission Coordinator, Kerala State IT Mission Pattom, Thiruvananthapuram
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