

# C A AMJAD IBRAHIM

EMBEDDED SYSTEM ENGINEER



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📍 KOCHI

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## PROFILE SUMMARY

Dedicated and detail-oriented embedded engineer seeking a challenging role that utilizes my expertise in C programming, embedded systems design, and development to create innovative and efficient solutions. committed to delivering high-quality results and making meaningful contributions to the team and the organization.

## WORK EXPERIENCE

### Quest Innovative Solutions, Kochi

#### Embedded System Trainee (Present)

- Enhanced programming skills through C and Python based problem-solving, fostering logical thinking and efficient coding.
- Acquired expertise in firmware development of PIC and ARM , including in-depth understanding of architecture and Proficiency in programming ADC,PWM, Timer and Interrupts.
- Gained hands on experience with communication protocols including I2C, UART and SPI

### Lulu International Shopping Mall, Kochi

#### Building Management System Operator (Sep 2023 - Dec 2023)

- Operating, monitoring, and troubleshooting BMS systems, including HVAC, lighting, security, and building automation.
- Documentation of system maintenance and operations, offering recommendations to improve system performance.

## ACADEMIC PROJECTS

### KMEA Engineering College, Edathala

- **IoT Enabled Speed Control and Power Monitoring of Induction Motor**

Designed and developed an IoT-enabled system to control the speed and monitor the power consumption of an induction motor, utilizing sensors and IoT technology for real-time remote monitoring and control. Optimized energy efficiency and reduced power consumption

- **Automatic Object Sensing Smart Dustbin**

Designed and developed an intelligent smart dustbin that leveraged sensors and automation technology to detect and respond to objects placed inside, enhancing waste management efficiency.

## TECHNICAL SKILLS

- C Programming
- Embedded C
- PIC
- ARM
- Python
- Proteus (Simulation)
- AutoCAD - Electrical
- Revit Mep

## EDUCATION

- **BTech in Electrical & Electronics Engineering (2019-2023)**  
KMEA Engineering College , Edathala (KTU)  
CGPA : 7.43
- **12th Computer Science (2017-2019)**  
PGHSS Chendamangalam (State Board)  
Aggregate : 70%
- **10th**  
AJPS Karumalloor (CBSE)  
CGPA : 9.6

## SOFT SKILLS

- Reliable and Professional
- Leadership
- Quick Learner
- Teamwork

## INTERNSHIPS

- Keltron Training Center Thrissur : Internship on IoT and Robotics
- Solid CAD M.G Road: Internship on MEP Engineering Design
- AMBIT Automation Pullepady : Internship on Industrial Automation System Design

## LANGUAGES KNOWN

- English (Proficient)
- Malayalam (Native)
- Hindi (Intermediate)
- Tamil (Intermediate)

## PERSONAL DETAILS

- Date of Birth : 27-October-2001
- Nationality : Indian
- Permanent Address : Chambolil, Malikampeedika, Alangad P.O, 683511