

# Ajith K.R

## Embedded Systems Designer

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### Work Experience

#### **Foton Labz -Embedded system Designer**

JULY 2015-SEP 2017 , KERALA

Contributed to the development of a software test framework (C, C++, Python) running on different microcontrollers in embedded target systems. Worked with contractors and vendors to support design efforts.

### Education

#### **College of Engineering, Kidangoor**

**B.Tech** - Electronics and communication

2018 - 2021

Initiated & contributed to several experimental projects involving Embedded systemes, machine learning etc.....

#### **Govt. Polytechnic College Pala**

**Diploma**- Electronics Engineering

2012 - 2015

Initiated & contributed to several experimental projects involving IoT projects, , etc.....

#### **NSS HSS Karukachal**

**HSE** - Computer Science

2012 PASSOUT

Amazing school experience at NSS HSS Karukachal.

#### **DBHS Kangazha**

**SSLC**

2010 PASSOUT

Amazing school experience at DBHS Kangazha.

### Technical Training

#### **IoT Application Development |**

St. Joseph's college of engineering and technology,palai

#### **Structured Data Modelling for AI using Wikidata |**

St. Joseph's college of engineering and technology,palai

### Skills

#### **Programming languages :**

C++ / C / Python /Embedded Python  
/Embedded C / JavaScript /Arduino C /  
HTML/CSS

#### **Libraries:**

OpenCv /Tensor Flow /Keras/Matplotlib

#### **Hardware :**

AVR /PIC / ESP32 / ESP12E / Arduino /  
ATmega328 / ATmega32 / 8051  
/Raspberry pi / Stm 32 /  
ARM Cortex-M0

#### **Software :**

Arduino Ide / AVR studio / Keil U Vision /  
Eagle Cad /KiCAD/Proteus/Altium / Visual  
Studio Code / AWS / Linux

#### **Collaboration :**

- Organizing workshops
- Facilitating design critique
- Self Starter
- Detail-oriented
- Flexible
- Communicative

### Achievements

#### **Reboot Kerala Hackathon 2020 |ASAP**

- Selected in Top 15 Finalists of Reboot Kerala Hackathon.
- Won 2nd prize in Regional Reboot Kerala Hackathon 2020 based on the theme LSGD.

#### **Hack to the future 3 2021 |Finastra**

- Won 1st Runner Up prize in Hack to the future 3.
- Best student submission.