

Balaji V

CONTACT

(+91)8220371480



balajimail@zoho.com



bit.ly/balajiv



github.com/balaji303



DOMAINS

Embedded
IoT
Automation

KEYSKILLS

Embedded C
Arduino
Raspberry Pi
TouchGFX
RA6E1
K24
LPC4078
STM32 Boards
NODE MCU
ARM Cortex M4
Linux
MQTT
Python
UART, I2C, SPI
Test Automation
AWS-IoT Core
FreeRTOS

EDUCATION

B.E. (ECE)
Rajalakshmi Institute of
Technology
2015-2019

WORK EXPERIENCE

PROJECT ASSOCIATE @ HUBBELL
FROM MAR 2021 – PRESENT

- Driver development for RA6E1 MCU
- Firmware development for RA6E1 and K24 MCU
- Developed Unit-testing modules in Firmware
- Development of Python Application for DFW Process
- Development of Test Automation using Python
- Testing DFW Process on various Hardware

JR. EMBEDDED ENGINEER @ XREVOL
FROM DEC 2019 – FEB 2021

CLOUD BASED ACCESS CONTROL DEVICE WORKS WITH
RFID, MOBILE, GPS – LPC4078/ESP32- WROOM 32

- Development of LPC4078 Master Controller
- Storing Users data in EEPROM
- Testing and Debugging

SMART DOOR LOCK – STM32/BGM13P/ BGM111

- Development of STM32 Master Controller
- Operating Motors and Sensors
- Testing and Debugging

INTERNSHIP

EMBEDDED DEVELOPER @ GREEN ENVIRONMENT
FROM MAY 2019 – NOV 2019

REALTIME TURBIDITY LEVEL IDENTIFICATION USING
EMBEDDED SYSTEMS – TCS34725

PROJECTS

ARCADE Game Console – ATTiny85 - Sep – 2021

CubeUNO – Python - Sep – 2021

CDE Your IDE – Python - Aug – 2021

Smart Mobile Charger – Node MCU – Jan 2020

Home Automation - Node MCU - Dec 2018