MANISH KUMAR JHA

SR. DESIGN ENGINEER

PHONE | (+91) 9113937895

EMAIL | manish.jha0305@gmail.com

LOCATION | New Delhi, INDIA

EXPERIENCE | 5 Years 6 Months

Key Skills

- Arduino
- Embedded Development
- C
- Firmware Development
- Embedded Systems
- Microcontroller
- Microprocessors
- Electronics Engineering
- Embedded C
- Embedded Programming
- Electronics
- Digital Electronics
- Linux
- ARM
- I2C
- 32 Bit Microcontrollers
- STM
- Embedded Software

Languages

- English
- Hindi

Profile Summary

At Aimil limited my role and responsibility includes Development, Testing, and Troubleshooting of electronics and firmware for specific embedded products. Currently working on 32 bit micro controller platform link STM32 with bare metal programming in embedded c.

Work Experience

Sr. Design Engineer
Aimil Limited
06/2023 - Present

Embedded firmware Developer

Robotic Trainer
Pathways school Gurgaon
07/2019 - 05/2023

Robotics facilitator

Embedded Software Developer
VDesign Technologies
10/2016 - 11/2017

Atmel SAM series micro controller and its peripheral AT86RF215 Software development

Embedded Developer
VDesign Technologies
10/2016 - 11/2017

Internship Trainee
VDesign Technologies

10/2016 - 11/2017

Education

M.Tech - Other Engineering
2017

Vellore Institute of Technology

Grade - 7.3/10

B.Tech/B.E. - Electronics/Telecommunication
2014

V.T.U.

Projects

Data logger system
61 Days

Logging data like voltage value to data flash for further processing by software

Autonomous Robot to help employees at manufacturing industry
802 Days

A four wheel robot with can carry objects and successfully navigate its way to prefix stop point. Robot uses infrared sensors to identify its tracks and motor to move. The control system for robotics system is design with open source platform like raspberry pi.

Implementing an OFDM Transceiver for Bandwidth Optimized IoT Networks
243 Days

The basic building block of an IoT system comprises node, which is a combination of microcontroller and a transceiver which make it ideal for battery powered IoT application. Internet and cloud services. Node and base stations must be designed to minimize power consumption, provide reliable and robust connection, and extend wireless connectivity range as far as possible.

IOT Based Automated Aeroponics System
213 Days

Aeroponics is the process of growing plants in the air with the assistance of a mist environment in which we use sensors for measuring the temperature,

humidity, PH value of water, and the light exposure in the environment where pla