



# Amith Rayan Fernandes

 St.Joseph Villa, Neermarga, Mangalore - 575029

 +91 8722277308 / 9844264859

 [rayanfernandes9@gmail.com](mailto:rayanfernandes9@gmail.com)

 [Linkedin.com/in/rayanfer](https://www.linkedin.com/in/rayanfer)



## Technical Skill:

### Programming Environment:

- C and C++
- Python
- Embedded C
- HTML
- CSS
- JavaScript
- Verilog HDL
- MATLAB Code

### Development boards:

- Arduino UNO, Nano
- STM32 ARM Cortex M3
- Node MCU
- 8051 microcontroller
- Raspberry pi 3b+ ,zero

### Tools and IDEs:

- Visual Studio Code
- ISE Design Suite – Xilinx
- Arduino IDE
- Proteus Simulation Tool
- Cadence Design Tools
- Keil Development Tool
- IAR Workbench
- Code Composer Studio

## Personal Details:

### Languages :

- English
- Hindi
- Kannada
- Konkani

### Interests:

- Embedded Systems
- IOT design
- Programming

### Hobbies:

- Playing guitar
- Exploring technology,apps and games.

## Career Objective:

To constantly learn new technology and apply them, express my ideas and dedicate myself for betterment of the organization.

## Education:

Course	Institution	University	Year of Completion	Marks Obtained
B. E in E&C	Canara Engineering College, Bantwal	Visvesvaraya Technological University	2020	6.47 (CGPA)
P.U.C	Padua P.U College,Nantoor	Karnataka PU Board	2016	84 %
SSLC	Navachetana English Medium school, Neermarga	Karnataka Secondary Education Board	2014	91.68 %

## Internship:

### • Fiabilite Network Solution Private Ltd

Worked on Embedded IOT, User Interface Design and Cloud Deployment.

## Projects:

- Self-Regulating Intelligence Platform for Greenhouse Farmers (Rs.20,000 funded by Analog Devices )
- Automatic vehicle logging and admitting system for residential/factory using number plate recognition ( Raspberry Pi )
- Virtual Telepresence Robot
- Android app controlled bluetooth RC car.

## Workshops / Certificates:

- Attended workshop on Electronics in Medical applications conducted by IEEE.
- Attended workshop on Python and Raspberry Pi conducted by IEEE SB CEC
- NPTEL Certification in Embedded System Design with ARM
- 3rd place in line follower competition conducted by BITS pilani ,Goa Campus 2018.
- 1st place in best designed RC car conducted by St.Joseph Engineering College during TIARA 2017.
- 1st place in Robo Soccer conducted by IEEE SB CEC during International Arduino day 2017.
- 2nd place in project expo(smart IOT home) conducted IEEE SB CEC during International Arduino day 2017.

## Extracurricular Activities:

- Finalists of Anveshan, a national event organized by AnalogDevices during june 2019 in bangalore.
- Participated in HACK-A-THON conducted by IEEE SB CEC during 2019.(worked on Virtual Telepresence Robot)
- Participated in MAKE-A-THON conducted by IEEE SB CEC during November 2016.(worked on live video streaming RC rover)