


# Amith Rayan Fernandes

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## 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
- Tulu

### Interests:

- IoT
- Programming
- Embedded Systems

### Hobbies:

- Learning and playing guitar,keyboard etc

## 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   | 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.30,000 funded by Analog Devices )
- Virtual Telepresence Robot
- Automatic vehicle logging and admitting system for residential/factory using number plate recognition ( Raspberry Pi )
- IOT based home security and automation

## 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)