

# SINDHUJA RAMAMOORTHY

## Masters Student in Communication Technologies and System Design

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## SUMMARY

An Enthusiastic fresher aiming to work in challenging environment where I can use my analytical and innovative thinking, problem solving skills with my wide range of experience and knowledge of the projects I had come across.

## WORK EXPERIENCE

### Internship Program

#### BSNL - Bharat Sanchar Nigam Limited

JUNE 2017 – JULY 2017 Thanjavur, India

During internship, I was assigned to work in

- Telecommunication department to plan, design, and install telecommunication equipment and facilities.
- Study new products and technologies and determine its use and compatibility with existing ones or with equipment from different vendors.

### Internship Program

#### Code Bind Technology

MAY 2019 – JUNE 2019 Coimbatore, India

- Embedded Systems training in Software development designing and designed microcontroller based systems in order to automate various tasks.
- Sensors by programming AVR and Arduino platform with Embedded C. Troubleshoot electrical equipment problems such as sensors.

## PROJECTS

### Over the Air Update of STM32 MCU

#### DTU - Technical University of Denmark

March 2022 Copenhagen, Denmark

The project's goal is to use ESP32 to provide Over-the-Air firmware updates for STM32 series MCUs. The purpose of integrating OTA-technology feature is to be able to remotely update a product or a machine. One can imagine how that is very beneficial in many businesses and sectors.

### Remote Monitoring of Mines Water FlowLevel Using Microprocessor GSM(or)Arduino

#### NLC - Neyveli Lignite Corporation

January 2020 Neyveli, India

The main goal is to monitor the flowlevel using flow rate sensor. This will be very helpful to reduce the man power and death rates in boiler. The project had been complete in NLC INDIA Ltd.

## EDUCATION

### Masters in Communication Technologies and System Design

#### DTU - Technical University of Denmark

February 2022 – Ongoing

### Bachelors in Electronics and Communication Engineering

#### Anna University, India

August 2016 – May 2020

## HARD SKILLS

Multitasking

Problem-solving

Self-motivation

Positivity

Creativity

## SOFT SKILLS

Embedded Systems

C

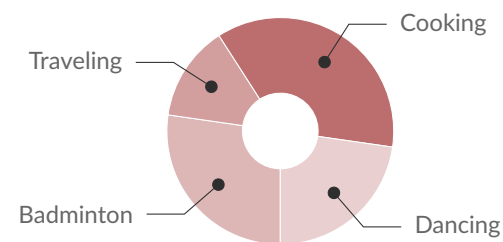
C++

Python

MATLAB

Printed Circuit Board(PCB)

## HOBBIES



## REFEREE

### Prof. José Soler

@ DTU - Technical University of Denmark

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