



## Contact

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 [Sanjai Balakrishnan](#)


## Technical Skills

### Computer Skills



-  Ansys HFSS
-  Ansys Maxwell
-  MATLAB

## Programming Language



 C

 java

## Power Skills

-  Team Player
-  Consistency

## Area of Interest

-  Radio Frequency design
-  Signal and System

## Career Objective

Seeking a challenging role in a reputed organization to utilize my engineering skills that would aspire me to contribute to the company's growth coupled with good accountability and motivation to explore new things for betterment.

## Academic Qualification

### **B.E Electronics and Communication Engineering [2021-2025]**

M. Kumarasamy College of Engineering, Karur  
~8.1 % (till 3<sup>rd</sup> Semester)

### **Higher Secondary Education [2020-2021]**

Mahendra matriculation Higher Secondary School, Namakkal  
88%

### **Secondary School Education [2018-2019]**

Mahendra Matriculation Higher secondary School, Namakkal  
80%

## Projects

### **Design Reconfigurable Intelligent Surface Assisted 5G Communication** [Jan 2023 - June 2023]

This scope of the project is to improve the Data Rate in the 5G communication and also specifically to enhance the coverage area for better connectivity.

### **Fire Extinguisher and Suppression System**

[June 2022 – Dec 2022]

This project is environmentally friendly and great for industrial environments. It is employed to fire causes area and detect fire then Extinguisher fire the presence of dangerous in the vicinity.

## Internship

- ✓ I got Summer Intern for undergraduates from NIT, Tiruchirappalli [May 2022 – July 2022]

## Patents

- 📄 A portable test kit for virus detection using micro strip cavity resonator biosensor (*patent filed*)

## Paper publications

- 📖 Optimal RF-Chain Selection with Hybrid Analog and Digital Beamformer Design Using Deep learning in mmWave Communication System (Under Review)

**Publisher: Springer**

## Co-Curricular activities

- ✓ Conducted one day workshop on “Hands on training - RF component design” and mentored 200+ students on the topic.
- ✓ Participated in National level Project expo held in Bannariamman Institute of Technology.
- ✓ Participated in National level Project expo held in K.Ramakrishnan college of Engineering Trichy.

## Extra-Curricular activities

- ✓ District level Kho-Kho player

## Personal details

Father Name: Balakrishnan K

Date of birth: 15.08.2003

Languages known: Tamil, English

## Declaration

I hereby declare that the information given by me above is correct to the best of my knowledge and belief.

Date:

Signature

Place:

Sanjai B

