



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 3rd 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

