**G Sakthi**

**PROFILE**

An emerging Electronics and Communication engineer, seeking an entry-level opportunity in a challenging environment preferably in the areas of Antennas, VLSI Design, and other related fields to grow professionally with the organization.

**EDUCATION**

* **B.Tech.** **Electronics and Communication Engineering**

**CGPA – 6.23 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 77% **2019**

Institution: S.B.O.A Matric & Hr. Secondary School, Coimbatore, Tamil Nadu

* **Class 10** – 95% **2017**

Institution: S.B.O.A Matric & Hr. Secondary School, Coimbatore, Tamil Nadu

**PROJECTS**

**Design of Helical Antenna for GPR Applications (2022 – 2023)**

Designed a helical antenna at a frequency, of less than 100MHz focused on GPR application and simulated and analyze the performance metric of the antenna using HFSS.

*Tools Used: Ansys HFSS, MATLAB*

**Digital Watermarking Method Using Haar Wavelet Transform (2022)**

Embedded digital watermarking on images for security and to avoid copyright infringements using Harr Wavelet transform. Also, verified the SNR of the image for various noise signals.

*Tools Used: MATLAB*

**Biometric Attendance System Using Fingerprint Sensor (2022)**

Implemented a biometric system at an organization using fingerprints instead of RFID.

Tools Used: TinkerCAD, Arduino IDE

**TECHNICAL INTERESTS**

Antenna Design

Programming

VLSI Design

**TECHNICAL SKILLS**

Python

C

LTSpice

WinSPICE

ModelSim

MATLAB

Ansys HFSS

**ACHIEVEMENTS**

**RGFI Football Tournament Runner-Up (2018)**