SANJIV KRISHNA R

sanjivkrishna05@gmail.com | +91 90423 44667 | [LinkedIn](#) | [Portfolio](#) | [GitHub](#) | Coimbatore, Tamil Nadu, India

ABOUT

I am an ECE student with a strong foundation in core electronics, programming fundamentals, and networking basics. I have a keen interest in automotive safety systems and possess knowledge of Java, SQL, digital electronics, embedded systems, and communication technologies.

EDUCATION

B.E. Electronics and Communication Engineering

KPR Institute of Engineering And Technology

2023 – 2027 | Coimbatore, Tamil Nadu

CGPA- 7.3

HSLC-12th,

Chinmaya Vidyalaya Attukal, Kerala

2021 – 2022 | Thiruvananthapuram

73%

SSLC - 10th

Chinmaya Vidyalaya Attukal, Kerala

2020 – 2021 | Thiruvananthapuram

70%

SKILLS

- Programming: Java, Python
- Databases: MySQL
- Web: HTML, CSS
- Tools: Git, GitHub
- Core ECE: Digital Electronics, VLSI Basics, Embedded Systems

LANGUAGES

English
Tamil
Malayalam

PARTICIPATIONS

- VARNAM '25 – Paper presentation at kCT, coimbatore.
- RIONZ'25 – Paper presentation at RVS, coimbatore.

INTERNSHIP

Smart Antenna Systems

01/08/2025 – 01/25/2025 | coimbatore, Kpriet

- Designed and simulated **3+ antenna types** using CST software
- Worked on **horn, dipole, and microstrip antennas**

VLSI -ELYSIUM TECHNOLOGIES PVT.LTD

05/2025 – 06/2025 | madurai,TamilNadu

- Learned the fundamentals of Very Large Scale Integration (VLSI)
- Logic Gates Design flow, including CMOS logic and layout basics

PROJECTS

Air Canvas

virtual Drawing Using Hand Gestures

01/2026 – 13/2026

- Developed a real-time virtual drawing application using **computer vision techniques**
- Implemented hand and finger tracking using **OpenCV**
- Enabled touchless interaction by mapping gestures to digital strokes
- Improved understanding of **image processing and human–computer interaction**
- Tools: Python, OpenCV, Computer Vision

Wireless Air Pen for Real-Time Motion Visualization

Air Pen

01/2025 – 07/2026

- Designed a wireless air-writing system using **MPU6050 and ESP8266**
- Achieved real-time motion visualization with **low-latency data transmission**
- Reduced hardware cost compared to traditional input devices
- Applications: Education, Interactive systems, Smart devices

CERTIFICATIONS

- Introduction to Industry 4.0 and Industrial Internet of Things (NPTEL)
- Microsensors and Nanosensors (NPTEL)
- MATLAB , Simulink Onramp (MathWorks)
- Effective Presentations (HP LIFE)
- Data Structures in C (Great Learning)
- Python Programming (HackerRank)
- VLSI (Maven Silicon)
- SQL using MySQL and Database Design (Scalar Topics)
- Getting Started With Microsoft Excel (Coursera)