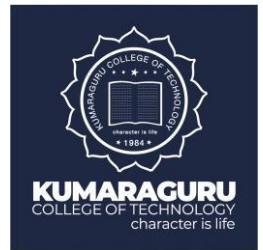# RESUME

VIISNU ANAND S

Electronics and Communication Engineering

Phone: +91 9443742244

Email: viisnuanand.22ec@kct.ac.in

LinkedIn: http://www.linkedin.com/in/viisnu-anand

Objective:

An enthusiastic Electronics and Communication Engineering student with a strong passion for technology and innovation. Proficient in signal processing and embedded systems, with hands-on experience in academic and project-based applications. A dedicated team player and quick learner with a problem- solving mindset. Committed to continuous growth and driven to make a meaningful contribution through engineering and social engagement.

Education:

Electronics and Communication Engineering |2022-2026

    Kumaraguru College of Technology

HSE |2020-2022

    Sri Chaitanya Techno School, Salem

SSLC |2020

    Sri Chaitanya Techno School ,Salem

Soft Skills:

- Time Management
- Leadership C Team work
- Problem-Solving
- Critical Thinking

Technical Skills:

- C
- Python
- GNU Radio
- MATLAB
- Vivado

Project:

Smart India Hackathon 2024 – Winner of the Statement (ISRO SAC)-2024

AI-Powered DVB-S2X Signal Detection & Classification. Designed a real-time signal classification system for DVB-S2X waveforms. Utilized deep learning and SDR-based processing to detect and classify modulation types.

IRoCu 2025 – Ongoing (ISRO URSC)-2025

Autonomous UAV Navigation for planetary exploration. Developing an AI-driven drone system for autonomous terrain navigation. Integrating SLAM, LiDAR, 3D vision, and sensor fusion for precision mapping and obstacle avoidance.

Internship – PRICOL Limited, Coimbatore
Corporate Manufacturing Engineering (CME) Department | June 2025

Worked on designing a low-cost wire color sequence detection system using Jetson Orin Nano and Arducam IMX477, targeting replacement of expensive industrial color sensors. Gained hands-on experience in PLC automation (Sysmac Studio), embedded protocols (CAN, SPI, I²C), machine vision (OpenCV, HSV filtering). Explored industrial-grade alternatives for vision systems, evaluated conveyor system designs, and proposed scalable AI-powered inspection solutions for PCB wire harness validation.

Certifications:

- NPTEL Certification – Introduction to IoT
- VLSI Essential Concepts and Detailed Interview Guide – Udemy
- Emerging Trends in IoT Cloud Computing (workshop)

Personal Interest:

- ML & AI in Signal Processing
- IoT
- VLSI
- Embedded Systems Robotics
- Wireless Communication

Languages Known:

- English (Fluent)
- Tamil (Native)
- Hindi (Basic)

DOB: 20-05-2004   Edappadi, Salem district ,TamilNadu - 637107