SREETHAR N J

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Electronics and Communication Engineering student with a 7.4 CGPA, specializing in IoT technologies, embedded systems, and telecommunications. Proven expertise in developing real-time IoT applications and optimizing electronic communication systems through research and practical projects. Recognized as the Best Outgoing Student during my Diploma. I've also had the opportunity to win 1st, 2nd, and 3rd places in various technical competitions.

EXPERIENCE

2024 - Present

Project

Engineered an advanced **IoT-based accident detection system**, enhancing GPS reliability by **30%** using custom **nRF24L01** wireless communication Network and fail-safe tracking mechanisms**.

2024 - Present

** Youth United Council of India | Campus Tech Coordinator | Head of the Department (ECE) Campus. **

Demonstrated **leadership skills** in managing department activities.

** In-Plant Training | Bharat Sanchar Nigam Limited (BSNL) | Tamil Nadu | July 2024 - One Week **

Analyzed landline & mobile networks, gaining hands-on experience in switching systems & optical fiber communication. Optimized industry-standard telecom equipment and infrastructure.

** Intern | Novi Tech R&D Pvt Ltd | Tamil Nadu – Coimbatore - July 2024 - Aug 2024 **

Designed and implemented IoT-based prototypes, integrating **wireless communication protocols**.

Intern | Sun Shiv Electronic Solution | Tamil Nadu – Coimbatore - July 2022 – Aug 2022

Mastered PCB design and manufacturing techniques. Gained practical experience in **Embedded systems**. Contributed to in **PCB prototyping, testing, and assembly processes**.

EDUCATION

B. E Electronics and Communication Engineering | Sri Krishna College of Engineering and Technology | Coimbatore - 2023 – 2026.

- **Event Coordinator - Krishnecs 2k24**.
- Student Coordinator, IoT Club, 2k25 – Present.
- CGPA 7.4.

SKILLS

- **IoT & Embedded Systems: ** IoT Protocols, Microcontrollers (ESP8266, Arduino), Wireless Communication (nRF24L01).
- **Software & Programming: ** C++, Embedded C, Java, HTML, CSS.
- **Networking & Security: ** TCP/IP, Network Protocols, Optical Fiber Communication, LAN & Wireless Networking, Computer Networking.
- **Hardware & Troubleshooting: ** Digital Electronics, Embedded System, System Hardware, Technical Support, Remote Support.
- **Leadership & Project Management: ** Team Coordination, Event Management, Technical Training.