SREETHAR N J

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CONTACT

Portfolio:
https://sreethar170.github.io/Portfolio/Portfolio.html

LinkedIn:
www.linkedin.com/in/sreethar170

Github:
https://github.com/Sreethar170

EDUCATION

B.E Electronics and Communication Engineering
Sri Krishna College of Engineering and Technology
(2023 – 2026)
CGPA – 7.5

SKILLS

- IoT & Embedded Systems
- Software & Programming
- Networking & Security
- Hardware & Troubleshooting
- Leadership
- Project Management

TOOLS

- Visual Studio Code
- Keil
- Eagle (PCB)
- Cisco Packet Tracer
- MS – Office
- Zoho Assist
- Postman

LANGUAGES KNOWN

- Tamil
- English

OBJECTIVE

Electronics and Communication Engineering student at SKCET with a 7.5 CGPA, passionate about IoT technologies and embedded systems. Recognised as Best Outgoing Student of 2023 during diploma studies with a 92% overall score. Demonstrated experience in IoT project development, including an accident detection system—strong foundation in telecommunications and electronic system design through multiple internships.

PROJECTS

Zone-Level Real-Time Accident Detection System

Developed a full-stack for accident detection system using the MERN Stack (MongoDB, Express.js, React, Node.js). Designed a responsive web dashboard to display real-time accident alerts, GPS locations, and sensor data. Integrated backend APIs with devices for seamless data transmission. Implemented a custom wireless network using nRF24L01 modules for reliable long-range communication. Created a fallback mechanism using network signal strength for location tracking when GPS fails. Utilised Arduino Nano, ESP8266, and ESP32 for embedded communication. Wrote optimised C++ code for event-driven data handling and device control. Led project management, technical documentation, and presentations.
Explore Here: https://tinyurl.com/sreethar

INTERNSHIP

Southern Railways

- Assisted in product development, technical documentation, and testing of electronic products.
- Supported both technical and non-technical tasks, including product packaging and quality checks.
- Gained practical experience in basic electronics, teamwork, and end-to-end product development.

Bharat Sanchar Nigam Limited (BSNL)

- Studied telecommunication networks, including landline and mobile systems
- Gained practical exposure to switching systems and optical fibre communication
- Worked with industry-standard telecom equipment and infrastructure.

Sunshiv Electronic Solutions

- Learned PCB design and manufacturing techniques
- Gained practical experience in embedded systems
- Participated in PCB prototyping, testing, and assembly processes

ACHIEVEMENTS

- Best outgoing student 2023
- Won 25+ Technical Events (2022 – 2025)
- 10+ Workshops Conducted in the IoT club & Mentoring 450+ Students
- Coordinator for Krishnecs 2k24 (Project Expo)
- Workshop Conducted for Other College Students