

Sudharshan

STRENGTHS

Fast Learner

Ability to quickly learn and adapt to new technologies and frameworks.

Proactive

Positive attitude and willingness to take responsibility

SKILLS

Hard Skills

Python, Java, HTML,

CSS, MongoDB, VLSI

Soft Skills

Team Collaboration, Adaptability,

Decision Making,

Time Management

ACHIEVEMENTS & ACTIVITIES

- ★ I have led major technical events like IEEE Xtreme, managing planning, teamwork, and smooth 24-hour event execution. I have presented innovative projects at inter-college tech expos and gained recognition. As College Secretary, I successfully coordinated various campus events, handling teams, resources, and overall event flow.

Junior Software Developer

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SUMMARY

I am a final-year Electronics and Communication Engineering student with a strong passion for software development, particularly in full stack development. I have hands-on experience with web technologies and MongoDB, enabling me to build efficient and interactive applications. With a solid foundation in both electronics and computing, I enjoy working on interdisciplinary and collaborative projects. I strive for excellence in every solution I develop and am always eager to learn new technologies.

EDUCATION

BE-Electronics and Communication Engineering

10/2022 - Present

skcet.ac.in

Coimbatore,
TamilNadu

COURSES

Full Stack Web Development

Course focusing on web technologies and full stack development methodologies.

Data Analytics

Gained practical skills in data cleaning, visualization, and dashboard creation using Microsoft Power BI and Excel for business insights.

PROJECTS

1. MERN Stack Data Storage Web Application

Developed a web application that allows users to store personal data or tasks.

- Created a responsive UI with React.js, and used MongoDB to store and manage reminder data
- Enabled notification alerts for upcoming tasks to enhance time management

2. Smart IoT Traffic Signal System

Designed an IoT-based traffic control system that detects emergency vehicles and dynamically adjusts traffic signals.

- Utilized microcontrollers and sensors to enhance emergency response time in urban areas
- Simulated real-time emergency scenarios to test system efficiency and traffic signal prioritization logic.

3. IoT – Based Smart Metering And Alert Systems for Domestic Electrical Distribution

Developed an IoT-based Smart Energy Monitoring and Alert System using ESP32, cloud integration, and machine learning

- Integrated **AI-based power consumption prediction** and anomaly detection to forecast usage trends and identify abnormal or unsafe conditions.
- Enabled **both automatic and manual control** of household electrical loads, allowing the system to auto-respond to overloads while giving users full manual control through the dashboard.