

Sowmya

Electronics and Communication Engineering Student

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India

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Profile

- Knowledge on analog circuit design for various application with worst case analysis , system stability anyalsis,
- Comprehensive understanding of Complementary Metal-Oxide-Semiconductor (CMOS) theory, encompassing transistor-level operation, logic design principles, and fabrication processes for integrated circuits.
- Skilled in using engineering software such as Matlab,Multisim,Simulink,,keil,Xilinx,LT Spice,Solid Edge,Cadence tool and PLC Programming code
- Experience in preparing detailed technical reports ,diagrams and documentation for engineering projects
- High learning competency, self-motivated and ability to work in diverse areas in a flexible and dynamic environment.

Education

12/2022– 06/2026 Bangalore, India	5th Semester - B.E Bachelor of Electronics & Communication Engineering , JSSATEB-VTU University CGPA- 8.47
2020 – 2022 Yadagiri, India	Pre-University Education, Sahyadri PU College Percentage - 95.83
2019-2020 Yadagiri,India	School , Mahathma Gandhi Eng Med H S Percentage - 84.64

Project

Secure File Sharing System Using Cryptography [2024]

Developed a secure file sharing application where security of files in the cloud is maintained using One-Time Pad, RSA, AES, and hybrid cryptography Algorithms.
The project guaranteed confidentiality, integrity as well as authenticity of shared files. Performed Security testing using Black box and Avalanche effect techniques.

Environmental Monitoring System Using Arduino and DHT11 Sensor

Interfaced a DHT11 sensor with Arduino to measure and display real-time temperature and humidity readings.
Developed code to acquire data and output it to the serial monitor for monitoring environmental conditions.

Courses/Certificates

12/2024	Digital Electronics and Logic Design Circuit,Udemy
2/2024	Analog Electronics, Udemy
12/2024	Data Structures and Algorithms Workshop , BMSCE
1/ 2024	MATLAB Certified , MATLAB Coding
7/ 2023	Python , OpenEDGE Python Institute

Skills

Digital electronics	Cadence Tool Suite
<i>Analog circuits</i>	Keil uVision
<i>VLSI Basics</i>	Project Mangement