

RAMYA S

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SUMMARY

Dedicated Electronics and Communication Engineering student with a strong foundation in programming languages including C++ and Python. Currently pursuing advanced knowledge in VLSI and SQL concepts, passionate about hardware and software to build innovative solutions.

PROJECTS

Automated Paralysis Patient Healthcare System (*Major Project*) July 2025 - Present

- Designed and developed a comprehensive healthcare monitoring system for paralysis patients
- Integrated multiple sensors and microcontrollers to automate patient care processes
- Demonstrated proficiency in system integration and healthcare technology applications

Laser Door Security System (*Mini Project*) June-2024

- Developed an automated security system using laser technology for door access control
- Implemented electronic circuit design principles to create a functional security mechanism
- Demonstrated understanding of sensor integration and security system protocols

Short Circuit Indicator (*Mini Project*) Jan-2023

- Designed and built an electronic circuit to detect and indicate short circuit conditions
 - Utilized knowledge of electronics and communication engineering principles
 - Implemented safety features and warning mechanisms for electrical systems
 - Applied circuit analysis techniques to ensure accurate fault detection
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EDUCATION

SAPTHAGIRI COLLEGE OF ENGINEERING Bachelor's Degree in Electronics and Communication Engineering - 7.96 CGPA 2026

OM SAI PRE-UNIVERSITY COLLEGE Pre-University Course- 85.67% 2022

KIRAN HIGH SCHOOL - 92.16% 2020

TECHNICAL SKILLS

- **Programming Languages:** C++ (Basic), Python (Basic), Java (Basic), Verilog (Basic)
- **Database Management:** SQL Concepts (Learning)
- **Hardware Design:** VLSI Design Concepts (Learning)

ADDITIONAL INFORMATION

I am currently enhancing my knowledge in VLSI, SQL concepts. I have also worked on basic projects in Python and Verilog, which helped me strengthen my technical foundation.