

RAKSHA SONEWANE

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SUMMARY

Motivated and enthusiastic Electronics and Telecommunication Engineering student currently in the 7th semester, with a strong foundation in core engineering principles and programming. Proficient in C and C++, with a keen interest in embedded systems and hardware-software integration. Possess excellent communication, presentation, and leadership skills developed through academic projects and team activities.

EDUCATION

- Priyadarshini Bhagwati College of Engineering, Nagpur

Bachelor of Engineering (Electronics and Telecommunication Engineering) | 2022 – 2026 |

Average(till 6th Sem):85.45%

- D.B. Science College, Gondia

June 2022 | HSC | Percentage:61.33% |

- Shahid Mishra High School, Tirora

June 2020| SSC | Percentage:87.40% |

EXPERIENCE

Intern – Embedded Systems Trainee

June 2025 – Present

PECSA Robotics Pvt. Ltd, Nagpur

- Currently undergoing internship training focused on embedded system, circuit design, software testing.
- Applying programming skills in C/C++ to real-world tasks and team projects. Learning microcontroller interfacing and real-time programming in C.

PROJECTS

- **Designed an IoT-based Fire Alarm System** using a flame sensor and buzzer to detect fire and trigger alerts. The system was built using NodeMCU and featured a remote dashboard for real-time monitoring over Wi-Fi.
- **Designed an Solar Tracking System** using Arduino, servo motors, and LDR sensors to automatically adjust the solar panel's position toward the sunlight. The system improves energy efficiency by maximizing sunlight capture throughout the day.

TECHNICAL SKILLS

- Microcontroller Programming
- Programming Language: C and C++
- PCB design
- Basic Arduino or IOT System

SOFT SKILLS

- Adaptability
- Work Ethic
- Critical Thinking
- Communication Skills

CERTIFICATES

- C Programming Language
- C++ Programming Language