

SHREYA K R

Electronics and Instrumentation Engineering

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OBJECTIVES

Enthusiastic Electronics and Instrumentation Engineering student passionate about sustainable solutions. Seeking opportunities to leverage skills in embedded systems, automation, and energy systems to drive impactful projects. Committed to contributing innovative, efficient, and environmentally friendly solutions while continuously growing professionally.

EDUCATION

Bachelor of Engineering , JSS Academy Of Technical Education College Bengaluru, Karnataka CGPA: 7.86	2022-2026
Pre-University College , Vivekananda Pre University College, Puttur Percentage: 83.1	2022
Secondary Education , st.Joseph English Medium School, Sullia Percentage: 86.56	2020

SKILLS

Programming Language:	C, Python, Embedded C, HDL
Software & Tools:	MATLAB, LabVIEW, Arduino IDE

PROJECTS

Automatic Fire Fighting Robot

Designed and developed an automatic fire-fighting robot capable of detecting fire using sensors and extinguishing it using a water-spraying mechanism.

Integrated flame sensors, motor controls, and microcontroller logic to enable autonomous navigation and fire response in real-time scenarios

Automatic Sun Tracking Solar Panel

Developed a solar panel system with automatic sun-tracking capability using LDR sensors and servo motors to maximize energy efficiency.

Programmed microcontroller-based control logic to adjust panel orientation in real-time based on sunlight intensity.

LANGUAGES

English, Kannada, Hindi