

SHIVANI S M

✉ shivanism006@gmail.com

☎ +91 9538579982

📍 Bangalore, India

<https://www.linkedin.com/in/shivani-s-m-677643294>

OBJECTIVE

A motivated Electronics and Communication Engineering student with a strong interest in both core electronics and software development. Seeking an opportunity to apply my skills in circuit design, embedded systems, and programming to contribute to innovative projects in the electronics and technology fields. Committed to gaining practical experience and contributing to the success of the organization.

EDUCATION

Bachelor of Electronics & Communication Engineering, JSS Academy of Technical Education, Bengaluru 2022 - 2026
CGPA: 8.25/10

RNS Pre University College, Bengaluru 2020 – 2022
Percentage: 89.1666666667 (PCMB)

SKILLS

Technical Skill : Python, C, C++, DSA using C++, VLSI Design, Embedded Systems, Data science, Introduction to AI

Soft Skills : Communication, Risk Analytics, Team work, Leadership, Time management, Critical Thinking, Adaptability, Problem-solving, Organization

Certification : Python Essentials 1, MATLAB, PCB designing, Data science

PERSONAL PROJECTS

Railway track crack detection system using Arduino UNO

- Designed a safety system using Arduino UNO with IR and ultrasonic sensors to detect cracks in railway tracks. Implemented real-time alerts through LED indicators. Simulated and tested the circuit using Proteus for accuracy and reliability. Used to avoid the accidents happening due to the derailments caused by the crack on the railway track.
- Tool Used: Online C Compiler, Arduino IDE

Functional verification of 16-bit ALU operations based on RISC-V

- Verified a 16-bit ALU performing RISC-V based arithmetic and logical operations using Verilog. Simulated and debugged the design using Cadence tools. Ensured correct ALU functionality through various test cases.
- Tool Used: Cadence

Languages

Kannada, English, Hindi