

PRASHANTH A R

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SUMMARY

Electronics and Communication Engineering student with hands-on experience in embedded systems, automation, and VLSI design and testing. Passionate about building practical solutions using Arduino and sensor-based systems. Strong foundation in C/C++, circuit design, real-time monitoring, and digital/analog system design. Eager to innovate at the intersection of hardware and intelligent systems.

EDUCATION

Bachelor of Engineering in Electronics and Communication Engineering JSS Academy of Technical Education, Bengaluru CGPA: 7.89 / 10	2025 – Present
Senior Secondary (12th) – KSEAB Percentage: 84.83%	2021 – 2022
Secondary School (SSLC) – KSEAB Percentage: 82.24%	2019 – 2020

SKILLS

Programming Languages	C, C++ (with Data Structures and Algorithms), Python, Embedded C
Hardware	Arduino, Ultrasonic Sensors, Relay Modules, DC Motors
Software	MS Office, AutoCAD
Others	Real-Time Monitoring, Circuit Design, Sensor Integration

PROJECTS

Obstacle Detection and Automatic Braking System for Trains

Built a low-cost system using ultrasonic sensors and Arduino to detect track obstacles and automatically activate braking. Implemented relay circuits and indicators to simulate real-time train response. Proposed future enhancements with AI, IoT, and camera modules.

CERTIFICATION

- Embedded Systems: Project Development – Alison
- Introduction to Electronics – Coursera
- Software Engineering Job Simulation – Forage (Electronic Arts)
- Project Management Foundations – LinkedIn Learning

EXTRA-CURRICULAR ACTIVITIES

- Participated in college Fashion Team events and showcases
- Attended a C Programming Bootcamp to strengthen foundational coding skills

PERSONAL INTERESTS

Sports and Physical Activities, Reading Books, Travel.