VAISHNAVI R C
Electronics and Instrumentation Engineering

📞 9353374491   ✉ vaishnavirc279@gmail.com   🌐 linkedin.com/in/vaishnavi-rc-375096309

ABOUT ME

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

August 2022 - June 2026
Bachelor of Engineering

JSS ACADEMY OF TECHNICAL EDUCATION, BENGALURU
Electronics and Instrumentation Engineering
CGPA: 7

June 2021 - April 2022
PUC

DVS INDP PU College, Shivamogga
Score: 68%

June 2019 - April 2020
SSLC

Karnataka Public School, Anavatti, Shivamogga
Score: 78%

PROJECTS

Sign Language to Text Converter
- Developed an intelligent system that translates sign language gestures into textual output using machine learning algorithms and sensor integration.
- Designed and implemented the data acquisition process, ensuring high accuracy in gesture recognition.

Waste-to-Energy
- Engineered a sustainable solution by recycling plastics to generate electricity, carbon ink, and bricks.
- Focused on environmental impact while innovating through renewable energy and waste management technologies.

Blind Stick
- Built a smart stick with ultrasonic sensors to detect obstacles for visually impaired users.
- Enabled haptic and audio alerts for safe and independent navigation.

Biometric Attendance System
- Designed a secure attendance system using fingerprint and facial recognition.
- Automated and streamlined attendance tracking in academic environments.

SKILLS

- **Embedded Systems:** Microcontroller programming, circuit design, hardware integration
- **MATLAB:** Control systems modeling, simulations, data analysis
- **LabVIEW:** Automation system design, control interfaces
- **Python:** Data processing, machine learning, scriptin

INTERESTS & ACTIVITIES

- **Volunteering:** Active in community initiatives and technology outreach programs
- **Strategy Gaming:** Enhances logical thinking and decision-making
- **Traveling:** Embracing diverse cultures and environments