SHREE VARSHINI R M

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EDUCATION

Sri Ramakrishna Engineering College
- B.E- Electronics and Instrumentation Engineering: 7.86CGPA (Upto 6th sem)   2022 - 2026

G.K.D. Matriculation Higher Secondary School
- HSC: 81%   2022
- SSLC: 77.2%   2020

TECHNICAL SKILLS

Programming Language: C, Java

Database: SQL (Basics)

Software and Tools: MATLAB, MS Excel

Area of Interest: Sensors and Transducers

Soft Skills: Communication, Analytical thinking, Teamwork, Detail-oriented

INDUSTRIAL EXPERIENCE

1. **Roots Group of Industries** – Intern, Horn Assembly Unit
   - Gained exposure to assembly line processes, product quality inspection and workflow optimization.
   - Understood manufacturing reliability and testing principles applicable to semiconductor fab operations.

2. **Salzer Electronics** – Intern, Switch Assembly Division
   - Worked on component assembly and process checks, learning process control and defect minimization techniques.

PROJECTS

Patient centric intelligent medicine dispenser:

- The project integrates both solid and liquid pharmaceuticals in a single device. It includes a remainder system and real-time patient monitoring for enhanced healthcare management.

   Tech stack: ESP32, IR sensor

Proactive Surveillance and Intervention to prevent Boiler Explosions:

- The project develops an IoT-enabled device to monitor boiler operations, detecting steam leaks, real-time monitoring, automated alerts and ensuring safety by comparing temperatures.

   Tech stack: Arduino UNO, DS18B20 (Temperature) sensor

Enhanced dumper safety and efficiency through IOT - based Tyre monitoring:

- The project develops an IoT-based tyre monitoring system enabling real-time pressure and temperature tracking with mobile alerts, enhancing dumper safety, minimizing breakdowns, reducing maintenance costs.

   Tech stack: ESP32, IR sensor.

PUBLICATION

- Published a **conference paper**, "Intelligent Medication Management System: Enhancing Patient centric care with Machine Learning and IOT integration" under **IEEE** Bombay section on August 2024.

ACHIEVEMENTS AND CERTIFICATES

- Submitted a project under Unnat Bharat Abhiyan and received a sanction for **Rupees one lakh**.

- **Winner** in Paper presentation at Bannari Amman Institute of Technology.

- Cleared Business English Certificate (BEC) with **a level B1.**

- Accomplished NPTEL course on "**Introduction to Industry 4.0 and Industrial Internet of Things**".

- Completed the 25 hours hybrid course on "**MATLAB and its Applications**".

- Completed course on "MATLAB onramp", "SIMULINK onramp" and "SIMSCAPE onramp" in MATLAB.

- Participated in Smart India Hackthon 2024, MSME 2024 and SAP Hackfest 2025.