MANU SRIRAM D V

📞 +91 9500644764

✉ manusriram15@gmail.com

🌐 https://leetcode.com/u/MANU_1515/

EDUCATION

B.E. ELECTRONICS & INSTRUMENTATION – KEC | 2023–2027 | CGPA: 7.85

HSC – SBOA CBSE SCHOOL, MADURAI | 2022 – 2023 | 63.4%

SSLC – SBOA CBSE SCHOOL, MADURAI | 2020 – 2021 | 70.4%

SKILLS

- Programming: C, Python, Java
- Instrumentation
- Electrical CAD, AutoCAD

SOFT SKILLS

- Teamwork
- Communication
- Leadership
- Time Management

AREA OF INTERESTS

- Control Systems
- Internet of Things (IoT)
- Industrial Automation
- Renewable Energy Systems

ABOUT ME

A passionate Electronics and Instrumentation Engineering student driven to apply AI and embedded system technologies to solve practical challenges. Seeking opportunities to contribute technical expertise and grow through real-world experience.

TRAINING

Inplant Training – Agni Steels Pvt. Ltd.
July 12 – 17, 2024
- Exposure to industrial instrumentation and process monitoring.
- Observed furnace operations, sensor integration, and safety procedures.

Inplant Training – Embien Technologies India Pvt. Ltd., Madurai
Dec 30, 2024 – Jan 3, 2025
- Worked on embedded systems workflows under a Senior Design Engineer.
- Gained hands-on experience in microcontroller programming, PCB design, and IoT applications.

PROJECTS

- Smart Pot – IoT-based plant monitoring system with automated water management using soil moisture sensors and microcontrollers to ensure healthy plant growth.

- Potato Chip Quality Monitoring & Enhancement System – Built using MOS gas sensors (MQ-135, CCS811, BME688) and Arduino to detect volatile compounds and apply machine learning for freshness monitoring, improving product quality and safety.

- Accident Detection and Prevention System – Designed an IoT-enabled system using sensors to detect vehicle collisions and automatically send emergency alerts. Focused on real-time accident response and reduction of road fatalities.

ACHIEVEMENTS & CERTIFICATIONS

- Won 2nd Prize – "Smart Irrigation System Using IoT" (Kongu Engineering College, Erode)
- Won 2nd Prize – "Smart Soil" (Sri Ramakrishna College, Coimbatore)
- Won 1st Prize – "Accident Detection and Prevention Systems" (Puducherry Technological University)
- MATLAB Fundamentals – MathWorks (Nov 2024)
- Electrical CAD – EPLAN Electric P8 (Apr 2025, Excellent)
- AutoCAD Electrical 2024 – International Certification (Proficient, May 2025, Duration: 41–100)