LAKSHMI DODDAGADDAVALLI KUMAR

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OBJECTIVE

Looking for an opportunity in an organization which will help me to deliver the best,upgrade my skills and meet the demands of the organization.

EDUCATION

JSS ACADEMY OF TECHNICAL EDUCATION, BANGLORE, INDIA.

- Bachelor of Engineering in Electronic and Instrumentation Engineering (Visvesvaraya technological University).
- Percentage: 8.4 CGPA | Year of passing-2026.
- Coursework : Scientific and analytical instrumentation, Digital design and HDL, Network analysis, Power and industrial electronics.

MASTERS PU COLLEGE, HASSAN, INDIA.

- Senior Secondary education | Percentage: 83 | Year of passing - 2022.

UNITED HIGH SCHOOL, HASSAN, INDIA.

- Secondary Education | Percentage: 90 | Year of passing - 2020.

SKILLS

- **Frameworks/Software:** RTOS, LabVIEW, MATLAB, Kiel Micro vision, FPGA, PLC, VHDL, Arduino IDE, Designer, Py Torch, Git HUB, AutoCAD, Bill of Materials (BOM) Management, Easy EDA.
- **Hardware:**Arduino,8051 Microcontrollers, Analog-to-Digital Converters, Uninterruptible Power Supplies, Buck/Boost/Buck-Boost Converters, Switchboards, Circuit Breakers, Controllers, Relays, Flip Flop, Latches, Electronic Loads, Signal Generators, Cathode ray Oscilloscopes,Multimeters,Digital Storage Oscilloscopes (DSO),Stepper Motor Controllers,

Timer, Counters,Signal Analyzers, Circuit Analysis, Motor Control, Electronics Testing & Validation, Signal Analyzers.

- **Core Knowledge:** Instrumentation Circuit Design, Simulation and Modeling, Short Circuit Analysis, Safety Grounding.
- **Programming Languages:** Embedded C, Python, HTML, MS Excel (VBA), MS PowerPoint (VBA).

ACADEMIC PROJECTS

AI DRIVEN HARVESTING ROBOT USING IMAGE PROCESSING

- Developed a robot that uses AI-powered image classification to detect and identify ripe vegetables.
- It accurately locates them using distance sensing technology.
- The system then autonomously harvests the vegetables based on ripeness.

AURDINO BASED SMART VACCUM CLEANER ROBOT

- Developed a robot that identifies the debris that found in the surroundings.
- It collects the debris and cleans the surroundings.
- It is programmed with movement and helps in obstacle avoidance.

ELECTORAL VOTING MACHINE USING MICROCONTROLLER

- Developed a secure electronic voting system powered by a microcontroller platform.
- The system ensures data integrity and protects against unauthorized access during the voting process.
- It also provides real-time vote counting for immediate and accurate results.

LANGUAGES KNOWN

Kannada | English | Hindi .

DECLARATION

I hereby declare that the above information is true to the best of my knowledge.