

SHRIGOVINDA T KULKARNI

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 [shrigovinda](#)

Hubballi, Karnataka - 580025, India



Objective

Automation and Robotics Engineering student interested in AI, embedded systems, and robotics. Passionate about developing practical engineering solutions through innovation, teamwork, and continuous learning.

Education

- KLE Technological University** 2027
B.E in Automation and Robotics | CGPA : 9.27
- JSS RSH PU College** 2023
Pre-University Education, State Board | Grade: 90.33%
- Navanagar Rotary English Medium School** 2021
Secondary Education, KSSEB | Grade: 90.08%

Projects

- Minor Project – Development and Performance Validation of an Outdoor Autonomous Navigation 2026 Framework for UGV**
Focused on navigation accuracy, obstacle handling, and performance validation for robotic mobility applications. Involves robotics, automation, and intelligent navigation concepts.
- BuildVerse – Event Management & Resource Tracking Platform**
Developed a web-based platform for BuildVerse to manage team coordination, component tracking, scoring, and overall event workflow efficiently. Integrated Firebase-based real-time data handling and management features to support smooth technical event operations.
- Mini Project – HydroHive – Smart Terrace Watering System**
Integrated automation and dashboard-based monitoring for efficient water management. Developed a remote-operated smart watering system with dashboard-based monitoring and control functionalities.
- Autonomous Tunnel Inspection Robot – MATLAB Virtual Simulation**
Developed a virtual simulation model for an autonomous tunnel inspection robot using MATLAB. Simulated robotic movement, inspection workflow, and automation logic in hazardous tunnel environments

Skills

- Programming Languages** : Python, C++, C, SQL
- Software Development**: Object Oriented Programming, DBMS, Data Structures and Algorithms
- Robotics**: ROS2, Gazebo
- Automation & Embedded Systems**: PLC Programming, Real-Time Embedded Systems, Microcontroller Programming
- Other Tools**: MATLAB, Simulink, GenAI, GitHub

Additional Information

- Languages**: English (Fluent), Hindi (Fluent), Kannada (Native)
- Certificates**: Matlab, Simulink, Python for data science, ROS2 Workshop, SIH 2025 Participation Certificate
- Hackathons**: Participated in Smart India Hackathon (SIH) 2025