

S Kartic

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Summary

B. Tech final year student majoring in Computer Science with a strong interest in robotics, drone technologies, and web development. Proficient in robotics engineering and web development, with hands-on experience in building autonomous robotic systems and maintaining websites for clients. Seeking a challenging role to apply my skills and contribute to innovative projects.

Skills Summary

- **Robotics:** ROS, Gazebo, Fusion 360, URDF, PID Control, SLAM, Path Planning
- **Hardware and Electronics:** Raspberry Pi, STM32, Arduino, Sensor Integration (LIDAR, IMU, GPS, Camera)
- **Programming Languages:** C/C++, Python, Java
- **Web Technologies:** HTML, CSS, JavaScript, TypeScript, Bootstrap, Tailwind CSS, React, Node.js
- **Database Management:** MySQL, MongoDB, Convex
- **Tools and Platforms:** Git, GitHub, Linux (Debian based)

Projects

Full Stack Todo list Application

04/2024 - Present

- Developing a to-do list app with Google Sign-In, and Convex.

Robotic Arm

May 2024

- Designed and simulated a 6DOF arm using ROS, C++ and URDF models.

Autonomous Pick and Place Robot

May 2023 - November 2023

- Developed an autonomous pick-and-place robot for industrial warehouse tasks, Utilizing ROS, Raspberry Pi 4 and STM32.

Freelance Web Development

- TCFC: Converted HTML site to PHP; developed CMS. | [Website Link](#)
- Auxesia Life Sciences: Improved site traffic and e-commerce functionality. | [Website Link](#)

Education

Bachelor of Technology - Computer Science and Engineering

CGPA: 8.0

C.V. Raman Global University | Bhubaneswar, Odisha | 07/2025

Achievements

Odisha Skills Finalist - 2024

Autonomous Mobile Robotics

Certifications

Self-Driving Cars Specialization (University of Toronto) | [Link](#)

12 Dec 2023