

E.Sravan Kumar

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Summary

Innovative **R&D Professional** with expertise in **ROS, Artificial Intelligence, Embedded Systems, and IoT**. Passionate about designing and developing efficient embedded solutions, robotics applications, and AI-driven projects. Experienced in **hardware-software integration, automation, and product development**. Strong analytical and problem-solving skills with a track record of **leading technical projects from concept to deployment**.

Experience

LeapRobots / R&D Engineer

February 2025 - PRESENT, Hyderabad

Developed **IoT automation solutions** using Arduino and Raspberry Pi, integrating **AI-driven computer vision** into embedded systems. Implemented **ROS-based robotics**, including autonomous navigation, ensuring efficiency and innovation.

PowerIQ / Embedded and Research Intern

September 2023 - February 2024, Hyderabad

Worked as an **Embedded & Research Intern** at **Power IQ**, visiting industries and developing **automation projects** to enhance industrial efficiency.

BrightChamps / Robotic Trainer

January 2023 - January 2024, Remote

Taught **robotics and embedded systems** to students from the **US, UK, and other countries** through online sessions at **BrightChamps**, delivering hands-on learning experiences.

H-BOTS / Project Intern

November 2022 , Hyderabad

Worked at **H-BOTS**, contributing to the development of an **autonomous robot**, focusing on navigation, control, and system integration.

Education

Bachelor of Technology in Electronics and Communication Engineering JNTU
Hyderabad, India | CGPA: 7.10 | Year of Completion: [2024]

Diploma in Electronics and Communication Engineering MIST
Hyderabad, India | CGPA: 8.5 | Year of Completion: [2021]

Skills

Programming: C, C++, Python, Embedded C

Embedded Systems: Microcontrollers & Processors, Hardware Debugging

IoT: MQTT, NodeMCU, Cloud Integration

AI & ML: OpenCV, TensorFlow, ML Model Deployment

Robotics & ROS: ROS2, Gazebo, URDF Modeling

Licenses & certifications

AI Tools

Issued by Be10x.March 2024

Embedded AI

Issued by Pantech Solutions· June 2023

Embedded Systems

Issued by Internshala· Mar 2023

IOT Certificate Programme

Issued by Idealabs FutureTech Ventures. Feb 2022

Awards

KGR Changemaker Of The Year (2023-2024)

Issued by KG REDDY COLLEGE OF ENGINEERING AND TECHNOLOGY
· June 2024

1st International Conference Multidisciplinary Research and Sustainable Development(ICMED 2024)

Issued by TSIC(Telangana State Innovation Council) · Mar 2024

AIRA'S ROBOTICS WORKSHOP

Issued by ALL INDIA ROBOTICS ASSOCIATION · Nov 2022