K B Venkataramana

+91 9150962656· Gmail - venkataramanakbala@gmail.com · LinkedIn - @Venkataramana K B
Chennai, India

EXPERIENCE

- Hands-on experience in working with industrial 6-axis Co-bot Doosan A0509 and educational robots.
- Got awarded for Top 10 projects in e-Yanthra hackathon held in IIT-Bombay.
- Presented my project in various college level conferences and secured first position in national level symposium.
- Active participant in the robotics association of my college.
- Member of Organising committee of Chennai Youth Assembly, a non-profit organisation.
- Developing an Autonomous Mobile Robot for my institution.

KEY COMPETENCIES

ROS2	Computer Vision	Public speaking
ROS	Machine Learning	Critical thinking skills
Gazebo	Python	Excellent communication skills

PROJECTS

Computer vision based monitoring of Underloading of Coal Wagons

Developed an IOT device to monitor the underloading of coal wagons and sending a message to the concerned authorities as well as the payloader.

Gesture-based Home automation

Implemented a smart home system controlled by gestures, with several safety measures using state of art technologies like Computer Vision, Machine learning

Indian constitution- Legal assistant

Developed and implemented an AI based chatbot to answer legal queries. Trained based on Indian constitution and available legal documents.

Pipeline Inspection Robot

Developing an AMR to map and localize itself in unknown pipelines and predict potential breakage using machine learning

---

EDUCATION

R.M.K Engineering College
Electronics and Communication Engineering
CGPA: 8.1

Velammal Matriculation and Hr Sec
XII
Percentage: 92.5%

SBOA School & Junior College
X
Percentage: 90%

EXTRA-CURRICULAR

Percussionist
SBOA School & Junior College

Organising Committee
Chennai Youth Assembly

CERTIFICATES

Drive