Bisa Saitejaswini Rao

Robotics & Automation Engineer

OBJECTIVE

Driven to innovate and explore advancements in Robotics and Automation focused on AI & innovative designing, with a commitment to continuous learning and contributing to a dynamic and challenging environment. Eager to apply and expand my skills to support the growth and success of a forward-thinking organization.

ADDRESS

Hyderabad, Telangana, India

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EMAIL

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WEBSITE

- Portfolio:
- LinkedIn:
- GitHub:

EDUCATION

B. TECH (HONOURS) IN PRODUCT DESIGN   FEB 2023 – MAY 2025
Vignan's Foundation for Science, Technology & Research | Guntur, India

B. TECH IN ROBOTICS & AUTOMATION ENGINEERING   AUG 2022 – MAY 2025
Vignan's Foundation for Science, Technology & Research | Guntur, India

DIPLOMA IN AUTOMATION & ROBOTICS ENGINEERING   MAY 2019 - JUN 2022
Central Institute of Tool Design | Hyderabad, India

SKILLS

- Computer Languages: C, Python, Html
- Development Boards: Arduino Uno/Mega, Raspberry Pi, Jetson Nano
- Soft Skills: Communication, Project management, Adaptability, Initiation, Leadership, Teamwork
- Technical: Robot Operating System (ROS), Robot Process Automation (RPA), CAD Modeling, PLC, Pneumatics, OpenCV

EXPERTISE

Mobile robotics, Robot mechanisms, 2D & 3D CAD Designing, Drones, 3D printing, ROS, OpenCV

PROJECTS

IRAVATH | Autonomous Rover with Rocker-Bogie Mechanism

02/2024 – Current

- "ROS" based control
- Fabricated using "FDM technology" (PLA & ABS)

VISHISHTAH | A Semi-Humanoid Robot with Autonomous Capabilities

11/2023 – Current

- Facial recognition through "OpenCV"
- Arms containing "6DoF"

PARAG | Self-Balancing Robot   09/2024 – 11/2024

- "Arduino" based & "PID" controlled
- Payload of "2kgs"

MBOT | 6 DoF Manipulator   11/2023 – 02/2024

- Modelled in "Fusion 360"
- Pick & place operations in "Gazebo" simulation

VINATA | Interactive Greeting Robot   02/2023 – 03/2023

- 3D printed "Prosthetic Arm"
- Integrated with "Raspberry Pi"

CERTIFICATIONS --

- The Joy of Computing Python certificate, NPTEL
- Certified Robot Process Automation Practitioner, NAASCOM
- Preliminary English Test (PET) - B1 Level, Cambridge University
- Business English Certificate Vantage (BEC) – B2 Level, Cambridge University
- 'B' certificate in National Cadet Cops (NCC)

ACHIEVEMENTS --

- Received "Student SEED Grant" of Rs. 1.9 Lakhs
- Cleared "Qual's round" in IRoCU - 2024