



# R C CHARAN

## MECHATRONICS ENGINEER

### Contact

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### Special Skills

Creo Parametric  
AutoCAD  
Robotics  
Graphic Design

### Technical Skills

Designing, Assembly and Drafting  
Creating and Modifying Designs  
Sheet Metal Modelling  
GD&T  
Annotation and Detailing  
Design Layering  
Understanding Engineering Principles

### Soft Skills

Observation  
Decision making  
Communication  
Team-supporter  
Team motivation

### About me

A individual with a blend of positive energy and action with remarkable initiative. Highly collaborative spirit who's always team supportive and ready to lend a hand. Natural ability to motivate others inspires collective success, fostering a vibrant and productive environment. Above all, known for unwavering honesty and a superb character, building trust and respect in every interaction. A true asset to any team, consistently striving for excellence with integrity.

### Objective

Aiming to secure an Design Engineer position where I can apply my foundational knowledge of engineering principles, CAD and Creo software proficiency, and problem-solving skills to contribute to innovative product development. Fully open to explore and work in different fields. I am eager to leverage my creativity and dedication to learn and grow within a dynamic team environment, ultimately contributing to the company's success and developing impactful designs.

### Education

- Jawahar Vidyalaya Senior Secondary school, SSLC, 2019
- Velammal Higher Secondary School, HSC, 2021
- Sathyabama University, B.E. Mechatronics, 2025

### Internship and Experience

- **Internship at Yesodha Engineering Services, Dec 2023**

Key responsibilities:

- Observation of Processing of the Steel materials
- Knowing of Different types of purpose of steel parts
- Observation of transportation of materials

- **Internship at Hyundai Motors PVT LTD, Nov 2023 – Dec 2023**

Key responsibilities:

- Observation of day to day activities at Assembly #1
- Solution and methods to deal with complaints about cars
- Observation of movement scanned car body

# Languages

Tamil  
English  
German

# Hobbies

Photo editing  
Drawing  
Sketching  
Football

## • Hands on Training Programme on 3D-Printers

Key responsibilities:

- Analyze structures and materials
- Look at recent tasks and products and identify trends
- Communication among team members
- Design new and simple products
- Satisfy programme requirements

## • All-Terrain Robot Hands on Training programme by K.I.T.E.

Key responsibilities:

- Interfacing of robot parts, motors and controllers
- Programming with Arduino and Node MCU(Wifi)
- On Spot-Construction of all terrain robot programmed with Arduino and Node MCU (Wifi)

# Projects

- Fabrication of Solid Propellant Rocket Engine with Arduino  
(May 2024)
- Development of Sound Sensing Legged Robot with GPS Module for Disaster Management  
(March 2025)

# Extra-Curricular Activities

- Design Head of Mechatronics Club at Sathyabama University (2023-2024)
- Volunteer in QCFI Chennai's Chapter in 32nd Annual Convention at Sathyabama University (2023)

# Certifications

- Two-weeks skill development program on Non-Destructive Test Methods at Sathyabama University.
- Appreciated in QCFI Chennai's Chapter in 32nd Annual Convention at Sathyabama University.
- Value Added Course on Piping Engineering at Sathyabama University.
- Paper presentation at Fifth National Conference on Innovation in Information and Communication Technologies (2025), Bannari Amman Institute of Technology.
- Paper presentation at International Conference on Next Generation Technologies: Design and Manufacturing, IIT Madras.

## Declaration:

I hereby confirm that all the details furnished above are authentic and accurate to the best of my belief.