



# SUDARSAN MAHENDRAN

SENIOR DESIGN ENGINEER - SPM&TEST RIG

## CONTACT

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Pudur, Ambattur, Chennai-53

<https://www.linkedin.com/in/sudarsan-m-351142179>

## EDUCATION

2009 - 2013

ANNA UNIVERSITY, CHENNAI

- Bachelor of Engineering
- CGPA: 7.73/10.00

2007 - 2009

S.R.M.HR SEC. SCHOOL

- XII - 90%
- X - 88%

## SKILLS

- Autocad (2D) - 5/5
- Autocad Inventor(3D) - 5/5
- Solidworks(3D) - 4/5
- Time Management - 5/5
- Leadership - 4/5
- Effective Communication - 5/5
- Critical Thinking - 5/5

## LANGUAGES

- English (Proficient)
- Tamil (Proficient)
- Hindi (Intermediate)

## PROFILE

Resourceful and seasoned Design Engineer with a proven track record of delivering accurate and efficient solutions in high-pressure environments. Adept at working both independently and as part of a team, consistently completing multiple projects simultaneously while maintaining exceptional quality. Demonstrated ability to develop innovative solutions for complex automation projects.

## WORK EXPERIENCE

- Brakes India Pvt Limited , Padi** 2019 - PRESENT  
Senior Design Engineer
  - Led the design and development of specialized equipment including Test Rigs, End-of-Line (EOL) machines, and Performance Test Rigs using 3D CAD software (e.g., SolidWorks, AutoCAD).
  - Collaborated closely with the Business Development team to interpret client requirements and deliver timely quotations.
  - Created layout drawings and mechanical item estimations to support proposal development and costing.
  - Participated in cross-functional design reviews, working closely with electrical, controls, and manufacturing teams to validate designs.
  - Prepared and released detailed Bill of Materials (BOM) and production-ready technical drawings for manufacturing.
  - Acted as a key liaison with the assembly and shop floor teams to resolve manufacturing challenges and ensure smooth build processes.
- Amita Technical Company Pvt Ltd, Aichi, Japan** 2018 - 2019  
Design Engineer
  - Design & Development of Fishing net machines
  - Improvement of Performance of Fishing Net Machines with 3D Model.
  - Responsible for BOM and Detail Drawings release for manufacturing.
- Vector Engineers , Padi** 2013- 2018  
Design Engineer
  - Design & Development of SPM Machines and Assembly Lines.
  - Creating 3d model and simulating models for SPM Machines.
  - Responsible for BOM and Detail Drawings release for manufacturing.

## REFERENCE

Mr. G. Ramesh Babu

Senior General Manager

Phone: +91 9841719260

website: [www.brakesindia.com](http://www.brakesindia.com)