

Sanjay Krishnan S

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PROFESSIONAL SUMMARY

I would like to pursue my career in a work environment which utilize and reinforce my technical skills, abilities and also to gain new cuttingedge skills and experience in rapidly challenging field.

Proficient in Developing Design Concepts, 3D Modelling and Drafting of Jigs and fixtures, Special Purpose Machines (SPM) and EMS & Automation Testing Stations with conversant knowledge in Material Selection, Engineering calculations, Manufacturing & Assembly process.

TECHNICAL EXPERTISE

- 3D Modelling
- Drafting
- DFMA
- GD&T
- Material Selection
- Engineering Calculation
- Sheet metal design
- Pneumatic circuit
- Solidworks
- Creo parametric
- Festo Fluid Draw
- CAM350
- SAP
- Cost estimation

PROFESSIONAL EXPERIENCE

Mechanical Design Engineer 11/2024 - Current

Schneider Electric Pvt Ltd *Bengaluru, Karnataka*

Mechanical Design Engineer 06/2022 - 11/2024

Procyon TechSolutions Pvt Ltd *Bengaluru, Karnataka*

- Developing design as per customer requirements provided in RFQs. (OEM)
- Create MFMEA documents and synoptics for assembly and automation.
- Concepts for making engineering calculations for critical parts of the machine.
- Standardizing Engineering Calculations.
- Converting part models into manufacturing drawings with GD&T and required standards.
- Selection of standard and critical elements based on requirements and budget.
- Preparing the BOM and creating PRs in SAP for procurement.
- Assembly drawings, and technical documents.
- Preparation of pneumatic circuits.
- Validation of design and drawings according to DFM and DFA.
- Assembly and Commissioning Support, Closure of Open Points.
- Customer communication and vendor follow-up.

EDUCATION

B.E: Mechanical Engineering 01/2022

P.A. College of Engineering and Technology, Coimbatore

GPA: 8.78

Diploma of Mechanical Engineering

01/2019

P.A. Polytechnic College, Pollachi

GPA: 8.78

SSLC

01/2016

Shenbagam Metric Hr.Sec.School, Pollachi

GPA: 91%

PERSONAL INFORMATION

Date of Birth: 01/03/01

LANGUAGES

- Tamil
- English

HIGHLIGHTS IN PROJECTS

• Gas Pressure Regulator Testing:

Design of Combined Pneumatic Layout and fixture of Gen1 & Gen2 pressure Regulators with pipe fittings for set of 40 fixtures.

• Automatic Motor Test Bench:

Designed an automatic test bench with the capacity of 18,000 RPM, 60 Nm torque, three bearing towers, and a changeover pulley, along with a noise booth of 60 dB. The bench automatically moves to engage the load motor with the test motor.

• Controller Assembly and EOL Testing Station:

Designed a Manual Assembly Stations for joining child parts with a parent base at different stations. Developed both Manual and Motorized conveyors for the assembly line.

• Performance tester and Flashing tester station:

Designed an automatic performance test fixture for three controllers, each with specific changeover parts.