

PARTHIPAN. B

DESIGN ENGINEER

CONTACT

✉ bparthipantnj@gmail.com

📞 8531817292

📍 Thanjavur – TN

EDUCATION

B.E, Mechanical

Engineering | 2016 - 2020
Anjalai Ammal Mahalingam
Engineering College.
CGPA: 6.7

HSC | 2014 - 2016

Maxwell Matriculation
Hr. Sec School, Thanjavur.
Percentage: 84.5%

SSLC | 2013 - 2014

Maxwell Matriculation
Hr. Sec School, Thanjavur.
Percentage: 91.6%

TECHNICAL SKILLS

Design & Engineering

1. Part Design &
Assembly Design
2. Drafting.
3. Sheet Metal &
Surface Modeling.
4. Geometric
Dimensioning and
Tolerancing (GD&T)
5. Boolean Operations
&Remastering.

PROFILE

A competent design engineer with 2+years of experience in field of Part design, Generative shape design, Trims, Assembly, Sheet metal design and Drafting using CATIA V5&V6. I will predominantly be focusing on the creative and quick thinking independently for a keen ability to improve design. On my previous experience in design by using CATIA V5&V6 to pursuing my long-term career goal.

EXPERIENCE

DESIGN ENGINEER - CASPRO SOLUTION, Coimbatore

Feb 2023 – Present

- Developed an impact energy absorbing propeller shaft designed to deform upon silicon in both front and rear directions, mitigating axial impact energy.
- Updated the propeller shaft with tube structure that utilizes a shear pin, the shear pin planned to break during a collision, thereby absorbing impact energy effectively.
- Conducted product development and created detailed drawings using CATIA V5.
- Assisted for designing various automotive components, surface components.
- Well knowledge in materials and manufacturing process & Bill of materials (BOM).

PROJECTS HANDLING

Propeller shaft components

- Designed and developed a complete 3D model of the propeller shaft and transmission drivetrain components.
- Have implemented remastering concept in bearing housing & couplings and collaborated with clients and experts to development of the product in stages.
- Modelled key driveline components such as universal joints, flanges, and yokes with precise alignment considerations.
- Have implemented sheet metal components are enclosures, compartments, panels & brackets for client's requirements.
- Apply GD&T as per ASME Y14.5 standards.

Software Proficiency

- CATIA V5&V6
- AutoCAD
- ERP (Inventory control)
- MS Office Suite (Excel, Word, PowerPoint)

TVS SFL (PUMO TECHNOVATION) - Puducherry

Quality Inspection | Nov 2020 – Dec 2022

- Focusing on ensuring the quality of products, potentially including areas like in-house manufacturing, parts supply, and field support.
- Identifying, analyzing, and resolving defects and issues found during testing.
- Creating and maintaining test plans, test cases and other relevant documentation.
- Collaborated with production teams to implement quality control measures.
- Improving overall efficiency and reducing defect rates.

Languages Known

- Tamil
- English

AREA OF INTEREST

- Design and develop 3D & 2D modeling.
- Remastering for design optimization.
- Collaborate with cross-functional teams for design validation and prototyping support.

DECLARATION

I here declare that all the details furnished here are true to the best of my knowledge and belief.

Signature

(B Parthipan)