

Name : **N SATHISH**
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Mobile : **+91-9840288232**
Date of Birth : **13th November 1996**
Languages known : **English, Tamil.**
Current Location : **Chennai, India**
Current Organization : **Tata Consultancy Services (Oct 2021 to Present)**

OBJECTIVE

A talented , hardworking and responsible designer seeking a challenging and dynamic role in a company with a vision for growth and advancement. I have extensive 2.8 years of experience and knowledge in design, As I advance in my career , I hope to utilize my full potential and gain more experience while enhancing the company's productivity and reputation.

SKILL SET

Master Diploma in product design	AutoCAD, CatiaV6, Solid works, Nx cad, Creo Parametric 2.0.
PLM Software	Enovia V6
Other software's	C&C++ Programming, Ms office.
BIW (Automotive Design)	<ul style="list-style-type: none">• A competent professional with experience in Product Design & Development, CAD Support & Quality Assurance.• Adept at managing Design Engineering operations involving design & development, developing detailed drawing, with co-ordination of all internal departments.• Hands on experience in BIW design & development.• Analyzing and producing the technical requirements and specifications.• Recommending design modifications based on client requirements.• Developing Class 'B' surface from Curve data & Sketches.• Understanding overall operations for improvement of existing products with thrust on reducing product cost, based on market trends.

ACADEMIC EDUCATION

BE. MECHANICAL ENGINEERING – 2014-2018 – CGPA - 7.5

PERSONAL TRAITS

- Leadership
- Energetic and Open Minded
- Flexible and Time management

WORK EXPERIENCE

1. **Organization** : **Hipcon Valves Private Limited** **Role:** **Design And Quality Control**
 Duration : **May 2018 TO July 2020** **Location:** **Offshore (Chennai)**

An ISO 9001:2008 Company manufacturer of IBR approved high pressure and high temperature GATE, GLOBE, NON RETURN VALVES. The various size of valves are supplied to all over thermal power plants in India like PRIVATE THERMAL POWER STATIONS - Adani, Dhariwal, Reliance Groups. GOVERNMENT THERMAL POWER STATIONS - Tsgenco, Apgenco, Tangedco etc.

Role Description:

- Re-engineering to inspect and dimension analysis of spares in plant to ensure the fitment in valve in CHINESE PLANTS LIKE Reliance (ROSA) & Dhariwal and BHEL PLANTS LIKE Tangedco, Apgenco, Tsgenco & Adani.
- Preparation of inspection documents like BV, TUVs, LLOYDs for ADANI project.
- Inspection of PT overlay of Body and Disc seat of find the cracks, pinholes and root cause analysis of the defects
- IBR Design and calculation of different sizes and class of valves following the ASTM B16.34 and API 598 Standards

2. **Organization** : **Best Cast IT Limited** **Role:** **Quality Control**
 Duration : **September 2020 TO August 2021** **Location:** **Offshore (Chennai)**

An ISO/TS 16949: 2002 Company manufacturer of aluminium gravity die casting products like cylinder heads, crank case, pump torque converter, actuator cylinder etc.

Role Description:

- Daily inspection of aluminium gravity die casting and generating reports
- Checking the Casting dimensions , Casting Process & density of the products
- Conducting regular inspection which involves the Vacuum checking , K-mould checking & Spectro Checking

3. **Organization** : **TCS (Growel Softech Pvt . Ltd)** **Role:** **Automotive Design Engineer**
 Duration : **October 2021 TO Present** **Location:** **Offshore (Chennai)**

Product design for automotive BIW (closures) components including PLM activities. Expertise in CATIA V6 (Part design, Assembly, Generative shape design, 2D Drawing).

Role Description:

- Supported the design , development & launch processes in area of Body in white for the new citroen 2022
- Provided concepts, designs and construction of parts, assemblies.
- Foster cooperation and coordination between project clients and suppliers.
- Understand the needs of the customer and generate design concept
- Responsible for design/development of BIW Closure parts for the programs
- Conversion of complex 2D drawing to 3D modeling, Drawing reading skills.
- Knowledge on sheet metal manufacturing and sheet metal joining methodologies.
- Resolving design engineering problems, design and ECN (Engineering change notice)
- Knowledge on PLM life cycle process. ECO, ECR creation and followup

PROJECTS

1. **Title** : An investigation and analysis of dissimilar joints with EN8 alloy steel & SS409 stainless steel
Project Role : Boiler **Project Area** : Industrials **Software Used:** Mini tab 18
2. **Title** : Fabrication of reciprocating air pump & saw cutting
Project Role : Boiler **Project Area** : Industrials **Software Used:** Catia v5

INDUSTRIAL VISITS

- M.K.Autocomponents, Ambattur , Chennai
- Chennai heat treaters, Ambattur , Chennai
- Addison, sriperumbudur ,Chennai
- Parle-g company,Chennai
- Jk tyres,chennai

DECLARATION

I, Sathish N, do hereby confirm that the information given above is true to the best of my knowledge.

Place: Chennai

(N SATHISH)

