

# Tushar Goswami

Mechanical Engineer | SolidWorks Designer

Melbourne, VIC.

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## Professional Profile

- Proficient executive engineer with over 6+ year's invaluable experience with highly competitive technology markets such as **marine, port system, infrastructure, machining, and steel structure fabrication.**
- Skilled in high-value engineered products, **SolidWorks 3D modeling, SolidWorks 2D drafting, project planning, projects designing & development and optimized solutions.**
- Revision control, daily log tool, **SolidWorks PDM (Project Data Management).**
- Active participation in training new resources and ensuring the core competencies are achieved.
- Create a training plan with incremental feedback with line manager to ensure that goals and tasks are completed/achieved in accordance with the industry standards.
- Prepare training material, guides, design process, procedures of 3D modeling and 2D drafting.
- Evaluate team member's performance for Annual team increment.

## Technical Skills

- **SolidWorks 3D software.**
- AutoCAD.
- **SolidWorks PDM (Project Data Management).**
- ERP (Enterprise Resource Planning).
- **MS Office Suite – Excel, Word, PowerPoint.**
- Process engineering.
- Project planning.
- Product designing & development based on codes of Australian and British steel structure standards such as AS4100 and BS5950, PIANC2002 (Guideline for the design of fender system), etc.
- Optimization in the design process.
- Material Selection.
- **Formidable experience with the fabrication process.**

## Employment History

### Warehouse Assistant

September 2019 - Present

Lovisa Pty Ltd.

- Maintaining warehouse and distributing operations.
- Monitoring and assisting warehouse staff working as a part of a fun team.
- Receiving materials, handling storage of containers and managing warehouse space.
- Obtaining and organizing goods received from suppliers and inspecting quality of works.
- Coordinating with team for managing warehouse and inventory components of the organization.

### Design Engineer | SolidWorks Designer

June 2014 - May 2019

Trelleborg Marine & Infrastructure.

- Involved in 3D modeling, design, and drafting of **steel structure heavy frames (connecting to fender), walkways and platforms used for fender system maintenance, Steel Ladder, Rubber Ladder and chains.**
- Attention to the details and scope from the client specification.
- Drafted and detailed all drawings for tender/bid, approval fabrication, assembly and erection/installation.
- Calculate and analyze standard mechanical fender system.
- Completed mechanical drawings for new product development using SolidWorks.

- Collaborated closely in various verticals with different department of organizations and internal clients across the globe (Specifically APAC region).
- Detailed analysis and planning of projects allocated and ensure the execution of the same. Work as a liaison officer with the client for project designing.
- Single point of contact for troubleshooting of issues and queries faced on site.
- Mentor and provide technical guidance to team members on day to day engineering challenges.
- Structural designing based on various design codes such as BS5950 (British Steel Structure Standard), AS4100 (Australian Steel Structure Standard).
- Planning and communication of project status update to the regional offices on a daily basis Liaison with the clients during project bids and post awards to offer them the best value-engineered solutions.
- Prepare detailed technical submittals for client approval upon successful bidding.

## Design Engineer

August 2012 - May 2014

Green Field Control System (I) Pvt. Ltd.

- Review customer specifications to determine proper design criteria and prepared comprehensive professional proposals.
- To calculate the cycle time of the component and calculate the costing of the machine.
- Responsible for checking, approving, authorizing, modifying data.
- Check Fabrication/Shop/Assembly & Detail drawing before releasing.
- Vendor Development and Quality Improvement.

## Education

### Bachelor of Mechanical Engineering

LDRP Institute of Technology and Research, Gandhinagar, Gujarat, India.

7.15 CGPA (Distinction)

## Soft Skills

- Creative thinking and a keen listener.
- Complex problem-solver.
- Pro-active Team player & Engaging teams.
- Effective Communicator; Languages - English, Gujarati, Hindi

## Notable Projects during Employment

Detail Design of SISO (Slide-In Slide-Out) Fender system for Karatha **Gas Plant situated in Western Australia.**

Detail Design of PMF (Parallel Motion Fender) system for oil jetty of Fujian refinery situated in **China.**

### Highlights of the Project:

- Analyzed, planned and designed a **mission-critical patented fender system** for Trelleborg which is currently operational at the various **wharf at oil and gas terminals across Australia.**
- Highlights were low maintenance (**saving 30 hours of installation time per fender**) for SISO, **more energy absorption with less reaction in PMF.**
- Detailed structural calculations were made during the course of design based on **BS5950 (British Steel Structure Standard), AS4100 (Australian Steel Structure Standard).**

## Interest Area

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- Project Management & Co-ordination.
- Product Design & Development
- Sales, Marketing & Estimation

## Achievements & Visits

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- ERS (Employer Recognition System) card for **5S** (10/2018)
- ERS – **Customer Focus** (04/2019)
  - For good & hard work on supporting internal Sales office to meet the deadline for Client's deliverable.
- ERS – **Performance** (12/2018)
  - Mentoring & laying platform for team, Critical thinking tips, well-balanced methodology & approach.
- **Industrial visits–Trelleborg Engineered System, Qingdao, China (2018) & Sydney, Australia (2016)**

## Recreations

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- Playing & watching Cricket
- Meeting people and knowing their culture.
- Trekking & Adventure sports.

## Miscellaneous Data

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- Holding Australia Permanent Residency Visa (type 189).
- Holding Professional Engineer Certificate awarded by Engineers Australia.