

## Ganesh Rajendran



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### Professional Summary

Mechanical Design Engineer with 9+ years of experience in end-to-end product development, specializing in mechanical systems, simulators, and industrial equipment. Proven expertise in design innovation, GD&T, material selection, DFM, and cross-functional collaboration. Adept at leading projects from concept to market delivery while managing teams across design, production, quality, and distribution. Certified in SolidWorks (CSWP, CSWP-DT, CSWA).

### Core Competencies

- Mechanical Product Design
- SolidWorks (CSWP, CSWP-DT, CSWA), AutoCAD, Creo, CATIA, NX
- GD&T & DFM Principles
- Cross-Functional Team Leadership
- Design Validation & Quality Inspection
- Production & Vendor Coordination
- MS Office & Documentation
- Simulator Systems for Defense Applications

### Professional Experience

*Senior Design Engineer | Durotek Solutions Pvt. Ltd. | Jul 2021 – Present*

- Lead design and development of simulator parts in collaboration with the Indian Armed Forces.
- Manage full product lifecycle: concept, 3D modeling, material selection, production, QA, and distribution.
- Coordinate with vendors and internal teams to ensure high-quality, cost-effective output.
  - Mentor junior engineers and support cross-functional collaboration to meet defense standards.

*Junior Engineer – Design | Dongwoo Surface Tech India Pvt. Ltd. | Nov 2018 – Feb 2021*

- Designed industrial furnaces and spares; handled drafting and documentation.
- Coordinated with teams and vendors for production support.
- Delivered design support and technical inputs during manufacturing.

*Junior Design Engineer | Enercon Asia Pacific Systems Pvt. Ltd. | Dec 2017 – Nov 2018*

- Designed paper treating machines based on specs and data.
- Maintained documentation and design efficiency.

*Design Engineer – Mould & Product Development | Polymer Products of India | Oct 2016 – Sep 2017*

- Created tooling and part designs for plastic industrial products.
- Assisted in testing and prototyping phases.

*Executive – Product Design | Interwood Kitchens Pvt. Ltd. | Oct 2015 – Oct 2016*

- Designed modular kitchen and wardrobe units.
- Worked with R&D and engineering for accurate execution.

## Education

B.E. Mechanical Engineering – Jayam College of Engineering & Technology, Anna University, 2015 – CGPA: 7.1

HSC – Little Flower HSS, Kumbakonam, 2011 – 67.75%

SSLC – Little Flower HSS, Kumbakonam, 2009 – 86%

## Certifications

- CSWP – Certified SolidWorks Professional
- CSWP-DT – Certified SolidWorks Drawing Tools
- CSWA – Certified SolidWorks Associate

## Academic Projects

- Steam Stove Energy Conversion – Used Pro-E (Team Size: 4)
- Piston Analysis in 4-Stroke Engine – NX CAD & ANSYS (Team Size: 2)
- Welding Defect Reduction Study (TPN/BHEL) – Welding Technology (Team Size: 4)

## Personal Details

Date of Birth : 14 Jan 1994

Languages : Tamil, English, Kannada

Gender : Male

Nationality : Indian