

# Neeraj Gopichand Salunkhe

E: [neerajsalunkhe2806@gmail.com](mailto:neerajsalunkhe2806@gmail.com) | M: +44 78672 45026 | [LinkedIn](#) | [Portfolio](#) | Coventry, UK

## Professional Summary

---

Having graduated with a Master's in Automotive Engineering from Coventry University and worked over 3 years in a Mechanical Design role, I seek sustainable engineering-focused roles in the mechanical design industry. I have the right to work in the UK

## Education

---

**MSc Automotive Engineering (Distinction)** | Coventry University | United Kingdom **Sep 2022 – Sep 2023**

**Key Modules:** Ground Vehicle Dynamics, Design Principle and Practice, Engineering Simulation and Analysis

**Project:** FEA modelling of the aluminium alloy graphene-based composite plate for the launch vehicle external fuel tank structural application

**B.E. Mechanical Engineering** | St. John College of Engineering & Management | India **Jul 2016 - Sep 2020**

**Key Modules:** Automobile Engineering, Finite Element Analysis, Design of Mechanical Systems

**Project:** Lean Manufacturing Implementation in Machining & Labelling Industry Using Value Stream Mapping

## Professional Experiences

---

**Mechanical Design Engineer** | Aspire Industries | Mumbai, India **Jan 2021 - Jul 2022**

- Optimised CAD models in SolidWorks, reducing defects by 13% and enhancing durability
- Led 250+ design projects, improving resource allocation and reducing delays by 20%
- Applied GD&T to reduce material waste by 10% and enhance welding precision
- Assumed production manager for 20 days, ensuring 100% on-time delivery without disruptions
- Conducted sheet metal testing, ensuring 98% compliance and reducing rework costs by 12%

**Mechanical Design Engineer** | Mudra Metal Works | Mumbai, India **Jun 2020 - Dec 2020**

- Designed mild steel components, cutting production costs by 15%
- Created high-precision CAD models, ensuring 98% industry compliance
- Translated operational needs into designs, reducing prototype iterations by 25%
- Led design reviews, lowering defect rates by 18% and enhancing product quality

**Intern** | Skanem Interlabels Pvt. Ltd. | India **Jun 2019 - Mar 2020**

- Gained hands-on expertise in Label Applicator Machines, improving labelling precision by 12%
- Led a Six Sigma waste reduction project, cutting material waste by 15% and boosting efficiency by 10%
- Eliminated bottlenecks in production workflows, reducing downtime by 18%

## Projects

---

**Student** | Coventry University | United Kingdom **May 2023 – Aug 2023**

- Conducted FEA modelling on an aluminium alloy graphene-based composite plate for launch vehicle fuel tanks using SolidWorks and Ansys Workbench
- Performed static analysis on aerospace components, identifying critical stress zones and optimising weight. The deformation, stress, and strain were evaluated to refine load distribution and material selection
- Detected minor distortions, addressed fatigue concerns and advocated reinforced compositions for long-term reliability

**Project Intern** | St. John College of Engineering & Management | India **Jun 2019 - Mar 2020**

- Led a Lean Manufacturing project using Value Stream Mapping (VSM) to streamline machining and labelling, integrating SAP to cut lead times by 23% and eliminate defects
- Introduced double-sided label printing, boosting efficiency by 30%, and optimised workflows to enhance machining by 37%, reducing bottlenecks and improving throughput by 25%

## Certification

---

Catia, Solidworks, Ansys, AutoCAD

## Skills & Language

---

**Technical Skills:-** 3D CAD, FEA, Production Planning, Control and Management, Product Development, R&D, GD&T

**Tools:-** Solidworks, AutoCAD, Ansys Workbench, Catia, HyperWorks, Matlab/ Simulink, Microsoft Office

**Language:-** English (Fluent), Marathi (Native), Hindi (Fluent), Sanskrit (Intermediate)