

Girraj Maheshwari

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EDUCATION

**Maharishi Arvind College
of Engineering &
Technology**

**B.Tech in Mechanical
Engineering**

2012 - 2016

SKILLS

- SOLIDWORKS
- AutoCAD
- 2D & 3D Part Modelling
- Sheet Metal
- Weldments
- Drafting
- Microsoft Office Suite
- Team Leadership Skills

CERTIFICATIONS

SOLIDWORKS (2019) Completed comprehensive training course of 'Solidworks Advanced Design Course' at Conceptia Konnect.

AutoCAD (2015) Completed 'Drafting Using AutoCAD' AT CAD DESK.

INDUSTRIAL EXPOSURE

In plant trainings undertaken at:
Kota Super Thermal Power Plant
(Raj.)
West Central Railway, Kota (Raj.)

EXPERIENCE – 3+ Years

Protech Engineering | Mechanical Design Engineer

November 2020 – Present

- Currently working in the Design Department.
- Responsible for 3D model creation of 'Vehicle Service Equipment' in two-wheeler category.
- Closely working with clients to deliver as per input requirements. Clientele includes the likes of Hero Moto Corp., Honda, Suzuki & TVS Motors.
- Performing validation of manufacturing & outline drawings.
- Preparing (BOM) bill of material for assemblies.
- Preparing manufacturing drawing and applied GD&T.
- Approval & release of manufacturing drawings for mass production.

Conceptia Konnect | Mechanical Design Engineer

August 2019 – September 2020

- Worked in the Design Department.
- Responsible for preparation of mechanical drawings, assembled models completed with calculated dimensions and tolerances using 2D and 3D CAD Software and SolidWorks.
- Worked with sheet metal, weldments & molds on various deliverables in cross-clientele workloads.

Mahalaxmi TMT Pvt. Ltd. | Mechanical Engineer

July 2017 – July 2019

- Worked in the Production Department.
- Looked into Scrap material, sponge, pig iron & CPC for proper heat arrangements.
- Overlooked 1300 Ton of daily production output from 3 furnaces.
- Stock keeping of materials according to heat levels & usage.
- Coordination with rolling mill with section change in accordance with changes in heat as per standard composition to be maintained.
- Responsible for achieving production target while achieving the minimum cost of consumable material.
- Managing running demand at 30-minute cycles as per priority to consume the total power allotted to furnace.

PROJECT/ADDITIONAL WORK

CAE Project - Automotive Suspension System | Engineering Part Design

Designed & rendered linkage type automobile suspension in SolidWorks. Performed motion analysis and part assembly for independent client at Western Sydney University.

Freelance Consulting | Engineering Part Design

September 2020 – present

Independently working as a freelance consultant with global clientele in cross-workloads. Performed design, assembly, weight and motion analysis on **Automotive Suspension, Go-kart Chassis, Dual Side Shaper Machine & Rotary Machines.**