

Jitesh Sahjwani

<https://projects.skill-lync.com/profiles/jitesh-sahjwani-506>

H.no. 287/25 Asha Gunj, Ajmer, Rajasthan, 305001 | 8233939048 | sahjwanijitesh306@gmail.com

Objective

Seeking a challenging position in Mechanical Engineering opportunities with special interest in Design, Analysis and Product Development where I can utilize my skills with accuracy and efficiency for Organization and individual growth.

Education

Masters certification program in CAE, SKILL-LYNC (Aug.2019 - present)

B.E. Mechanical Engineering(Honours), A.C.E.R.C., Ajmer, (Rajasthan Technical University, kota.(71.83%) (May 2018)

Course Projects

Surface Meshing of Car Hood for Structural Analysis

- Join the skin of Outer & Inner Surface and Perform Hemming operation on it.
- Mesh the Geometry and Quality Criteria followed accordingly.

Surface Meshing on BMW M6 for CFD using ANSA, Skill Lync

- Eliminate all Topological errors and Surface Meshing.
- Eliminate all Surface mesh errors manually by using ANSA tool and Satisfy all Quality Criteria.

Advance CFD Meshing on the Turbocharger using ANSA, Skill lync

- Eliminate Topological errors. Perform Surface Mesh and Volume Mesh.
- Eliminate all Surface Mesh errors and Perform volume Mesh check.

Surface Wrap Meshing in Automotive Assembly using ANSA, Skill lync

- Perform individual Surface Wrap for three Separate Parts: Engine Block, Gearbox & Transmission and Merge into one ANSA file.
- Convert three diff. volume into single volume by removing faces which are overlapping each other.

Surface Meshing of Cylinder model using ANSA, Skill lync

- Learn how to remove Topological errors & do geometry check and learn about most of commands used in ANSA.
- Surface mesh in Cylinder model for internal flow Analysis and surface check also.

Surface meshing of Pressure Valve using ANSA, Skill lync

- Eliminate TOPOLOGICAL errors and assign the PID.
- Do Surface meshing with variable element size.
- Perform Geometry check and surface check

Internship

Drafting Technician, Chouhan Engineering works, Ajmer (April 2018 – May 2018)

- Measure machinery parts and make drawings into 2D by using AUTOCAD Software.

Trainee Engineer, Northern Western Railway, Ajmer (June 2017 – July 2017)

- Learning about Overhauling of Railway coaches and learn briefly about Air Break which is used in railway coaches.
- Learn how to Assemble the Diesel engine.

Other Projects

Design & Assembly of Object Climbing Rover, Aryabhata College of engg. & research centre (Spring 2017)

- Design the frame of Rover (Rocker Bogie) using Solidworks and perform machining operations, Assembling.

Extra-curricular / Leadership Activities

- Certification course of “Rajasthan state certificate in information technology” from “Vardhaman Mahaveer Open University”.
- CERTIFICATE ‘A’ with GRADING ‘A’ in NCC Army Wing RANK CADET & attend the Annual Training NCC Camp CATC in All Saints Sr. Sec. School.

Software Packages

- Computational Analysis: ANSYS
- Modelling: SolidWorks, AutoCAD 2D
- MS Office: MS-Word, MS-Excel