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## SAGAR MANGRULE

### OBJECTIVE

To obtain a responsible position as a Mechanical Designer where my creative skills in the field can contribute to the growth of the organization.

### SKILLS AND ABILITIES

- Effective technical skills and Lean Manufacturing
- The ability to work under pressure
- Proficiency in AutoCAD, Solidworks, Siemens NX CAD, CATIA
- Hands on Microsoft Office
- Time management and Teamwork
- Communication and maintaining good public relations

### EXPERIENCE

SENIOR EXECUTIVE - PRODUCT DEVELOPMENT CENTER (MOLD AND TOOLING)  
YOKOHAMA OFF-HIGHWAY TIRES  
MAY 2022 – CURRENTLY WORKING

- Manage tire manufacturing molding machines.
- Designing of tools and mold drawings in AutoCAD 2D.
- Design and Development of molds of solid tires & two piece molds.
- Preparation of tire 3D models in CATIA and Uni-Graphics.
- Co-ordination with mold and tooling manufacturers for tire curing bladder selection & bladder clamp ring design, working on in-house developed PLM software.

DESIGN ENGINEER - PRODUCT DEVELOPMENT CENTER  
YOKOHAMA OFF-HIGHWAY TIRES (on Third Party Payroll- RANDSTAD INDIA)  
JULY 2020 – MAY 2022

- Support the product data and document for YOHT products which includes, Data management, document preparation, drawing preparation.
- Supporting CAD drawings and documentation. To do the Product release document preparation.
- Design & Development of YOKOHAMA brand Solid, Industrial, Construction, Agricultural Farm tires project for domestic and global market
- New Product Development (NPD) activities as per the customer requirement by working in close co-ordination with the technical & product management team
- Product Improvement, Design Philosophy, OEM Supports

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## INTERNSHIPS

CNC OPERATOR AND QUALITY CONTROL INTERN, VINAYAK ENTERPRISES

JUNE 2019 – JULY 2019

- Handling all types of digital and manual measuring instruments such as micrometers, Vernier calipers, height gauges and surface testers.
- Hands on experience FANUC CNC Lathe Controller.
- Knowledge of fabrication processes and techniques.

MAINTENANCE ENGINEER INTERN, GLOBE INDUSTRIES

JUNE 2017 – JULY 2017

Worked on utilities like - Boiler, Reactors, Nitrogen Plant, Cooling Tower, DG set, etc.

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## CURRENTLY PURSUING

POST GRADUATION PROGRAM IN COMPLETE PASSENGER CARS DESIGN & DEVELOPMENT, SKILL-LYNC

- Automotive Sheet Metal Design using Siemens NX CAD.
- Automotive Lighting Design using CATIA V5.
- Automotive Seating Design using CATIA V5.
- Automotive Plastic Design using CATIA V5.
- Automotive Class A surfacing using ALIAS.

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## EDUCATION

DILKAP COLLEGE OF ENGINEERING AND MANAGEMENT STUDIES

BACHELOR OF MECHANICAL ENGINEERING ; MUMBAI UNIVERSITY

AUGUST 2015 – SEPTEMBER 2019

Percentage: 60%

Project: Inboard Breaking System for Four Wheel Lock (ATV)

AGNEL POLYTECHNIC

DIPLOMA IN FABRICATION TECHNOLOGY AND ERECTION ENGINEERING ;  
MSBTE

MAY 2012 – JUNE 2015

Percentage: 71.35%

Project: Pedal Powered Hacksaw

DIPLOMA IN PRODUCT DESIGN

CADD CENTRE

JULY 2015

SOFTWARE: AutoCAD 2D , Solidworks and GD&T, CATIA and Uni-Graphics

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PROFESSIONAL  
CERTIFICATION

- Society Of Automotive Engineers Membership SAE
- Advanced Computer Applications
- Fundamentals of Hybrid Electric Vehicle
- Lean Manufacturing
- Automobile and IC Engine Design Workshop, by Auto-Freak India, at VJTI

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E-LEARNING  
CERTIFICATION

TATA STEEL CAPABILITY DEVELOPMENT

- Industry 4.0
- Machine Learning
- Measuring Instruments

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PERSONAL  
DETAILS

DATE OF BIRTH

20 September 1996

LANGUAGES KNOWN

English , Hindi , Marathi , Kannada, Gujarati