

# SAGAR WARATHE

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## Academic and Professional Summary

- E Bachelor of Engineering in Mechanical Engineering from S.B JAIN INSTITUTE OF TECHNOLOGY affiliated to RTMNU, Nagpur.
- E Detail-oriented Mechanical Engineer with 2+ years' combined experience as a Production Engineer and Design Engineer.
- E Proficiency at grasping new technical concepts quickly & utilising it in a productive manner.
- E Good team player with strong analytical & organisational abilities.
- E An effective communicator with strong analytical, interpersonal and problem solving abilities.

## ACADEMIC CREDENTIALS

- 2016 B.E. from RTMNU, Nagpur with 7.89 CGPA (First Class).
- 2012 12<sup>th</sup> from Maharashtra State Board with 68.17 % (First Class).
- 2010 10<sup>th</sup> from Maharashtra State Board with 86% (First Class with Distinction).

## Technical Skills and Tools

- E Proficiency using CATIA V5, CREO, Automill(Delcam) and AutoCAD.
- E Proficiency using ANSYS (Structural and Thermal Analysis).
- E Programming Skills using C language, SQL.
- E Working Knowledge of Windows, Linux.

## Professional and Industrial Exposure

- E **CURRENT COMPANY: PRAKALP TECHNOLOGIES, M.I.D.C BHOSARI, PUNE.**
- E DESIGNATION: DESIGN ENGINEER.
  - Plan, design and develop various press tools, dies and moulds.
- E DURATION: FEBRUARY 2017- TILL DATE.
- E PROJECTS WORKED ON:
  - Compression Mould for Water Tank Base Panel.
  - Forming Mould for Engine Cover Carpet and Jack Kit Cover. Vacuum Forming Mould.
  - Thermoforming and Cutting Mould For Under Cab Centre, Parcel Shelf, Behind Cab and Side Engine.

## Academic Projects

- ✓ **MEGA PROJECT: STAIR CLIMBING WHEELCHAIR AND WALKER MECHANISM**
- E YEAR: 4th year.
- E PHENOMENON: Combined Use Of Wheelchair And Walker On Stairs For The Disabled.
- E It focuses on use of planetary gear system for use of locomotion on stairs and use of four bar mechanism for the purpose of balancing weight of the person on the wheelchair. The whole mechanism then can also serve the purpose of walker by changing the position of the person.

- E TEAM STRENGTH: 6 projectees.
- ✓ **MINI PROJECT: ANALYSIS OF KNUCKLE JOINT**
- E YEAR/SEMESTER: 2nd year/4th semester.
- E PHENOMENON: Axial Force Transmission.
- E The project focuses on analysis of Knuckle Joint with calculation of various forces acting on Fork end, Eye end and Knuckle pin.
- E TEAM STRENGTH: 5 projectees.

### TRAINING/INTERNSHIP

Completed an INPLANT TRAINING held at **CENTRAL INSTITUTE OF TOOL DESIGN**, HYDERABAD from 14<sup>th</sup> May 2014 to 13<sup>th</sup> June 2014. Training involves exposure to various manufacturing processes and non-traditional machining processes at glance and machining equipment's used during the processes.

### BEYOND CURRICULUM

#### E Achievements and Extra Activities:

- o Participation in various robotics events including Robowar and Roborace.
- o Worked as Mentor, Event Manager for Students Representative Council (SRC).
- o Coordinated as Technical member for Association of Innovative Mechanical Engineers (A.I.M.E.S).
- o Stood first runner up in quiz competition held at Nagpur Institute of Technology.

#### E Hobbies & Interests:

- o Dancing, singing and sketching.
- o Travelling and exploring new places.
- o Playing Football, Cricket, Basketball

### PERSONAL VITAE

**Date of Birth:** JULY 25<sup>th</sup> , 1994

**Sex:** Male

**Permanent Address:** S/o Suresh Warathe  
325, Bholebaba nagar, Near Uday nagar ring road.  
Dist. – Nagpur (Maharashtra) 440034

**Languages Known:** English, Hindi and Marathi

**Nationality:** Indian

(Signature)