



Career Summary:

Mechanical engineer having experience in manufacturing and design sector with a master's degree in advanced mechanical engineering. Knowledge of mechanical cad software and programming language.



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<https://www.linkedin.com/in/harshil-vijaykumar-chunawala-943a77150/>

Skill:

AutoCAD, SolidWorks;
ANSYS; MATLAB

Languages:

English; Hindi; Gujarati

HARSHIL V. CHUNAWALA

Industrial Experience:

➤ Application Designer

Oct 2018- Jan 2019

Handicare Stairlifts- Birmingham Unit, UK

<https://www.handicare.co.uk/>

Responsibilities:

- Design of stair lifts and power chair in a SolidWorks according to requirements.
- Design of stanchions and sections.
- Making of drawing sheets for manufacturing unit and installation team.
- Making of audit sheets, BOM etc.

➤ Internship- University final year

Dec 2016-Apr 2017

Indian Dairy machinery Ltd-Unit III, India

<http://idmc.com/>

Project Title: Identification of material back flow

Achieved 44% reduction material movement

Tasks: Supervision of daily production; Achieved manufacturing target; Production of complex machineries like CBMM, pneumatic valve; hydraulic pumps.

Education:

- **MSc Advanced Mechanical engineering** Aug 2017-Sep 2018
University of Birmingham; Birmingham UK
Mark Obtained: 60%
- **B-Tech in Mechanical engineering** Apr 2014- Jun 2017
Dharmsinh Desai University; Gujarat, India
Mark obtained: 68%
- **Diploma- Mechanical Engineering** Mar 2011-Mar 2014
Polytechnic: M.S. University of Baroda, India
Mark Obtained: 75%

Thesis Project:

- **Wankel Pump for cryogenic liquid:** Mar 2018-Sep 2018
Project guide: Dr Raya Al-Dadah

Description: When a pump is used regardless of its efficiency and design requirements possesses certain qualities then Wankel type of pump design has superior advantages over other types of pumps. My work is to design Wankel pump for cryogenic liquid with its design calculation.

Working Projects:

- **Solar Concentrator:**

Oct 2016- Dec 2017

Project guide: Prof. P.V. Dixit

Description: Team project during undergraduate for making of the mini-scale solar concentrator which can go to a temperature of 358K within five minutes. It is a thermal way to gain solar energy and can be utilized for the production of electricity or heating purpose.

Professional courses:

- **General Data protection Regulation**

Jun 2018

CPD certified course and University of Birmingham

Achieved: 85%

- **Quality Management:**

Aug 2012

Quality circle forum of India and MS University

Participation:

- **Research poster conference**

Jun 2018

Topic: Nuclear fusion

- **ASME Workshop for 'Gas Turbine'**

Nov 2016

International gas turbine institutes and Nirma University

Professional hour's development- 7.25

- **Knowledge impartation and Interaction with Industry Experts**

Sep 2016

Institutes of Chemical engineers and Dharmsinh Desai University

Volunteer Experience:

- Sports officer in Bharat Parivaar

Jan 2018- Sept 2018

Society of Guild in University of Birmingham.

- Mathematics tutor in University of Birmingham School.

I hereby solemnly declare that facts and figures furnished above are true to best of my knowledge and behalf.

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