

SUDIP SORATHIYA

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PROFILE OF SKILLS

- Leadership, inventiveness, and ingenuity skills gained through 1.5 year of work experience as a CNC Machinist, and CNC Manufacturing
- Ability to read and interpret Blueprints, and Engineering Drawing
- Skills with CNC Vertical milling (3-4 axis), and solid edge on programming with MasterCam
- Practical experience of mechanical measurement instruments such as Vernier calliper, micrometre, feeler gauge, depth gauge, dial gauge, and measuring runner
- Knowledge of various cutting tool fitting to turret for various operation
- Design tools: NX 11.0 (UG), CatiaV5
- Other tools: Microsoft Office (Word, Excel, and power-point), Minitab, Process Simulator
- Numerically savvy in Mathematics
- Experience of working with D2 & H13 steel and metal

EDUCATION

- Master of Engineering (Mechanical) September 2017 – December 2018
University Of Windsor, Windsor, ON
- Bachelor of Engineering (Mechanical) June 2012 – May 2016
Gujarat Technological University

PROFESSIONAL EXPERIENCE

CNC Machinist September 2017 – December 2018

Royal Feed Screw Inc. Oldcastle, Windsor, ON

- Operated white MAZAK super quick turn mark II 18M CNC machine and manufactured extrusion screw tip, seat and ring which is used for plastic injection moulding machine.
- Set up CNC Boring and Turning Centre by positioning and aligning tooling for parts to be manufactured.
- Followed drawing priorities and work order as per the direction of supervisor and performed different machining operation such as turning, facing, threading and grooving.
- Detected malfunction and performed troubleshooting as required
- Acquired a depth knowledge about how to plan manufacturing process from selecting raw-material to finished product and shipped it to the customers.
- Gained experience of working in a Canadian manufacturing industry and its system.

ADDITIONAL EXPERIENCE

Junior Design Engineer August 2015 – July 2017

Descon Design – Gujarat, India

- Created solid component & assembly of fixture design & mold design using NX 11.0 by considering GD&T specification
- Created 2D drawing of various mechanical products to a 3D CAD model
- Analyzed the feasibility of design and reviewed the performance of system

- Involved in weekly meeting to discuss advance design concepts, and possible measures can be taken to proffer best mechanical design services in compliance with latest technology
- Communicated with clients, colleagues, and contractor involved in a project to enhance product quality by customizing material.

Quality Inspector

QM Plastic, Tecumseh, Ontario

May 2017 – Sep 2017

- Worked on a plastic injection molding press and packed parts in assigned container or bean by considering proper quantity per container as per the direction of the supervisor
- Conducted the visual inspection of automotive parts for the flaws such as splay, flash, short shots, sinks, scratches, color, and stress marks and discussed defect issues with the supervisor
- Compared production parts with first-off which has been finalized by quality control foreman in sake of meeting a quality requirement
- Maintained a work area clean and organized using 5S (Workplace organization)

ACADEMICS & RESEARCH

RESEARCH PAPERS

Title: Design and fabrication of automatic plastic cup thermoforming machine

February 2018

- **Objective:** Improvisation in process of manufacturing plastic glass, Lowered production cost and time by stacker mechanism concepts
- **Publication:** International Research Journal of Engineering and Technology (IRJET)

ACHIEVEMENTS & HONOURS

- Winner in Innovative **CAD modelling** during Bachelor of Engineering
- Won prize money by taking part in quiz competition
- Honoured with certificate for volunteering work during annual technical festival in Bachelor of Engineering