

NIKUNJKUMAR ITALIYA

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PROFESSIONAL SUMMARY

Mechanical Engineer offering **2 years** of expertise in design/drafting & estimation of various aspects of field. Well-versed in developing technical studies and investigations. Mechanical professional in Machining and Tool making such as CNC machining & programming, Tool Setup & control, Blueprint reading, Measurement Calculations and Quality testing. Engineer, offering extensive knowledge in Strong technical and systematic aptitudes with innate ability to analyze, coordinate, and synthesize data.

SKILL SET

- ✦ Proficiency in different software's such as **AUTO CAD, Master CAM, Solid works & MS OFFICE.**
- **Detail-oriented**, Quick learner with ability to work under pressure
- Expertise in Setup and Operation of **3 & 4 Axis Milling & Lathe machine**
- Proficient in understanding Blueprints and familiar with GD&T. BOM and maintaining manufacturing process, flowchart and reaction requirements.
- management skill, project management skill, and organizational skill through industrial experience.
- Strong verbal and written communication skill.
- Strong engineering aptitude.
- Excellent leadership skill obtained by managing different projects.
- Ability to work under pressure in a fast-paced work environment, problem solver, Adaptive Learner, detail-oriented, multi-tasker, work in a team as well as individually and focus on continuous improvement.

RELEVANT WORK EXPERIENCE

CNC Machinist (Co-Op)

August 2019- December 2019

Magna Precision Technologies, Mississauga, Ontario

- Read and interpreted **blueprints and drawings**, Set-up, and operated **CNC milling machines**
- Professionally Verified dimensions of parts using **precision measuring instruments**
- **Set up, operate, and maintain** variety of machine tools including **computer numerically controlled (CNC)** tools to perform precision, non-repetitive machining operations such as milling, boring, planning, drilling and other operations
- Verify dimensions of products for **accuracy and conformance** to specifications using precision measuring instruments
- Compute dimensions and tolerances, measure and lay out work pieces
- Programs mills by entering instructions, including zero and reference points, setting tool registers, offset, compensations and conditional switches, calculating requirements, including basic math, geometry, and trigonometry, proving part programs.
- Complete and maintain inspection reports.
- Maintain equipment by completing **preventive maintenance** requirements, following manufacturer's instructions
- Maintains **safe operations** by adhering to **safety procedures and regulations**
- Understand, interpreted and edited **FANUC G-code and M-code programming, Mazak controller and DMG Mori controller** Recognized, deployed, and properly use inserts, fixtures, and tooling
- Determine machining requirements, dimensional specifications, and set up requirements from programs, process sheets or parts list.

EDUCATION

Mechanical Design and Drafting Technician

January 2019 – December 2020

Sheridan College, Brampton

Bachelor of Mechanical Engineering

August 2015 – June 2018

Gujrat Technological University–INDIA

PROJECT

PROJECT: DESIGN STAIR CLIMBING ROBOT

Sheridan College- Brampton, on

PURPOSE: to design the stair climbing robot in SolidWorks and demonstrate the working model

- Designed the robot structure in Solid works, which can climb the stairs with the load
- Designed the parts and create the assembly file with animation in Solid works
- After successful modelling in solid works, built the actual working model of the robot

PROJECT: VERTICAL AXIS HIGHWAY WINDTURBINE

Gujrat Technological University–INDIA

PURPOSE: TO DESIGN THE WIND TURBINE WITH HIGHER EFFICIENCY AND OUTPUT POWER.

- Designed the Wind turbine blades and structure in SolidWorks
- Demonstrated working model which has higher efficiency and higher output