

MOHAMED NAVEED SAMSUDEEN

CNC MACHINIST - Blueprint Reading, Machine Setup & Quality Control

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SKILLS

- **CNC Programming:** G-code and M-code programming, program editing, CNC control panel operation
- **CAD/CAM Software:** Fusion 360, Mastercam, AutoCAD, SolidWorks, basic CAM toolpath generation
- **Machining Operations:** Machine setup, workpiece alignment, tool installation, basic CNC milling and turning
- **Cutting Tools & Parameters:** Cutting tool selection, feeds and speeds calculation, tool offset adjustments
- **Quality Control:** Blueprint reading, dimensional inspection, use of calipers & micrometers, precision checks

WORK EXPERIENCE

Maintenance Assistant

July 2023 – Present

Highview Residencies

Kitchener

- Conduct routine inspections of building equipment and facility systems, maintaining operational reliability across 25+ residential units.
- Facilitated technical analysis while diagnosing and repairing mechanical and utility systems, resolving issues across 20+ service requests monthly.
- Perform preventive maintenance tasks through coherent maintenance planning, helping reduce equipment service interruptions by 15%.
- Track maintenance supplies and replacement parts inventory through structured record coordination, maintaining organized logs for 100+ stored items.
- Support repair activities involving plumbing fixtures, HVAC components, and mechanical fittings while performing team-based maintenance execution across 10+ monthly tasks.
- Directed maintenance scheduling with property staff and contractors through cross-team operational communication, ensuring completion of over 20 monthly maintenance requests.
- Maintain maintenance logs and service records for building equipment through structured documentation processes, recording updates for 30+ completed service activities.
- Assessed installation of replacement components and mechanical fittings through team-driven execution, supporting system upgrades across 8+ facility units.
- Respond to resident maintenance requests and facility repair issues through structured issue assessment, coordinating resolution across 15+ monthly reports.

Trainee Engineer

July 2022 – March 2023

Uma Fabricators

India

- Influenced engineers in designing and testing fabricated mechanical components, contributing to product improvements across 10+ prototype parts.
- Endorsed troubleshooting of machining and fabrication issues through technical analysis and cross-team coordination, helping resolve production interruptions within 24 hours.
- Directed dimensional inspections of fabricated parts using precision measuring tools and inspection procedures, verifying compliance across 50+ manufactured components.
- Prepared and updated engineering documentation through structured information exchange, maintaining technical records for 20+ production jobs.
- Facilitated machine setup and tooling preparation for fabrication processes through compatible shop floor execution, supporting production runs of 15+ component batches.
- Coordinated with fabrication technicians during assembly and finishing stages through team-based workflow alignment across 3 production teams.
- Reviewed fabrication drawings and technical blueprints through analytical evaluation, supporting machining preparation for 12+ manufacturing orders.
- Influenced cutting tool selection and machining parameters through technical assessment, supporting setup preparation across 18+ machining tasks.
- Addressed machining workflow and shop floor production activities through coherent operational monitoring, supporting completion of 10+ fabrication batches.

EDUCATION

Applied Manufacturing Management - Automation

May 2023 - December 2024

Conestoga College, Kitchener

Bachelor of Mechanical Engineering

June 2018 - May 2022

K Ramakrishnan College of Engineering, India