

# Vidhyasagar Chitharanjan Doss

647-613-2652

vsdoss1990@gmail.com

956 Atwater Avenue, Mississauga, Ontario, L5E1M3

## OBJECTIVE

---

Enthusiastic and certified CNC Machinist with hands-on experience in precision machining, CNC programming, and machine maintenance. Proficient in **AutoCAD, Mastercam (3 Axis Mill), Fusion 360, SolidWorks**, reading complex blueprints and technical drawings, performing detailed machining operations, and conducting rigorous quality inspections. Demonstrated ability to work in dynamic environments and contribute to team-driven goals, while applying problem-solving techniques from both machining and IT backgrounds. Passionate about leveraging **AI** to drive innovation and efficiency. Seeking to leverage my skills in CNC programming and machining to contribute to high-quality production at your organization.

## EDUCATION

---

### Precision Machining and CNC Programming Certification

Jan 2024 - Aug 2024

Sheridan College - Davis Campus • Brampton

- Comprehensive training in precision machining techniques and CNC programming.
- Proficient in operating advanced CNC machinery, including Haas Milling Machines.
- Gained hands-on experience in blueprint interpretation, quality measurement, and machining methodologies.

### Bachelors in mechanical engineering

Jul 2008 - Apr 2012

Park College of Engineering and Technology • Coimbatore, India

- Specialized in designing and developing mechanical systems with a multidisciplinary approach.
- Coursework focused on manufacturing processes, materials science, and mechanical system optimization.

## SKILLS

---

### Technical Skills

- Blueprints reading & Parts inspection
- CAD Software Expertise: **AutoCAD 2024, Mastercam 2024, Fusion 360 and SolidWorks**
- CNC machine operation (**HAAS VF1**)
- Feed Rate Optimization
- G-Code Programming
- Machine setup, Calibration and Alignment
- Manual Lathe, Mill and Drill press operation
- Precision machining & Quality Measurement Tools (Caliper, Micrometers, Comparators).
- Production Planning & Quality control analysis
- Sawing and sanding operation
- Troubleshooting and diagnosis

### Soft Skills

- Active Listening
- Adaptability and Flexibility
- Analytical Thinking
- Continuous Improvement
- Excellent Communication
- Interpersonal Skills
- Keen manual dexterity
- Problem-Solving
- Task Prioritization
- Teamwork and Collaboration
- Technical Analysis
- Time Management

## WORK EXPERIENCE

---

### Machinist Trainee

Jan 2024 - Aug 2024

Sheridan College • Brampton, Ontario

- Interpreted complex blueprints and technical sketches to determine precise machining requirements, achieving consistent accuracy in output.
- Designed multi-layered 2D models of different objects in **AutoCAD** using various commands and added linear, radial and angular dimensions for improved visualization and planning.
- **Corrected a machining error** in a V-block clamp using **AutoCAD**, ensuring precise alignment with the V-block for optimal functionality.
- Selected, aligned and secured holding fixtures, cutting tools, attachments, accessories and materials on the **HAAS VF-1 3-Axis CNC machine**.
- Used **Mastercam 2024** for machining a mill stop part using various tools. Generated tool paths and feed rates for each tool, exported the G-Code and fed the G-code into the HAAS Machine.
- Conducted precision machining processes, including milling, drilling, and grinding, ensuring adherence to tight tolerances.
- Adhered to all safety protocols and safe work practices to reduce the likelihood of injury.
- Applied quality control standards by inspecting machined parts using calipers, micrometers, and gauges.

### IT Analyst

Nov 2021 - Jan 2024

Infosys Limited • Mississauga, Ontario

- Analyzed complex technical requirements to develop efficient solutions, enhancing system performance and reliability.
- Applied problem-solving methodologies to resolve critical application issues, ensuring consistent project delivery.
- Collaborated with cross-functional teams to streamline processes, achieving a 15% improvement in development cycle times.
- Documented and implemented quality standards, ensuring project outcomes met client specifications.

### IT Analyst

Aug 2013 - Nov 2021

Infosys Limited • Mysore, India

- Spearheaded the optimization of system architecture and workflows, contributing to reduced operational inefficiencies.
- Utilized data analysis to inform decision-making processes, ensuring alignment with organizational objectives.
- Coordinated between global teams to achieve project execution within tight deadlines.
- Leveraged technical troubleshooting skills to diagnose and resolve software issues, demonstrating adaptability to rapidly changing demands.

## VOLUNTEER WORK

---

### **Bike Repair Technician**

Jun 2024 - Aug 2024

Bike Hub - Sheridan College • Mississauga

- Diagnosed and repaired mechanical issues with bicycles.
- Promoted safe operational practices by educating students and staff on bike maintenance techniques.
- Ensured optimal bike performance through precise adjustments and quality control inspections.

## HOBBIES

---

**3D Printing & DIY Projects:** Designed and built custom mechanical parts and prototypes.

**Hobby Electronics:** Assembled and repaired small electronic devices, enhancing manual dexterity and troubleshooting skills.

**Exploring HowStuffWorks:** Continuously learning about advanced machinery and manufacturing processes.