

Vishal Patel

vishalpatelz@yahoo.com

2269982737

[linkedin.com/in/vishalpatelz](https://www.linkedin.com/in/vishalpatelz)

<https://vishal.win>

Summary

I am a passionate and driven professional with a strong background in mechanical engineering and computer programming. My expertise lies at the intersection of these two fields, allowing me to bridge the gap between traditional engineering principles and cutting-edge technology.

Currently, I am working as a program manager in the automotive manufacturing industry, where I oversee and coordinate complex projects that drive operational efficiency and innovation. This role has provided me with invaluable experience in managing cross-functional teams, optimizing processes, and delivering results in a fast-paced and dynamic environment.

Alongside my professional endeavors, I am dedicated to continuous learning and personal growth. I am pursuing a Master's degree in Systems in Technology with a specialization in AI and data science. This program not only strengthens my technical skills but also equips me with the knowledge and tools to leverage emerging technologies and contribute to the advancement of AI-driven solutions.

My diverse skill set includes proficiency in programming languages, data analysis, and project management. I thrive on challenges and enjoy finding creative solutions to complex problems. With a keen eye for detail and a drive for excellence, I consistently strive to deliver high-quality results that exceed expectations.

I am always open to new opportunities, collaborations, and networking with like-minded professionals who share a passion for technology and its transformative potential. Let's connect and explore how our combined expertise can drive innovation and make a positive impact in the world of engineering and technology.

Experience

Program Manager

Linamar Corporation

Aug 2022 - Present (1 year 6 months)

Program Manager overseeing the successful implementation of a program I launched as an engineer. Responsibilities include managing program financials, resource allocation, and customer requirements. Skilled at driving process improvements through cross-functional collaboration and innovative technical solutions. Demonstrated ability to manage multiple programs generating sales exceeding \$20M+.

As a Program Manager, I excel at ensuring the seamless operation of the program I initiated, aligning it with organizational goals and objectives. I maintain a sharp focus on managing financials, meticulously monitoring budgets, and optimizing resource allocation to drive cost-efficiency and profitability. By closely collaborating with cross-functional teams, I lead initiatives to enhance existing processes, resulting in improved productivity and quality.

Successfully managing multiple programs concurrently showcases my exceptional organizational and multitasking abilities. I prioritize tasks, coordinate activities, and allocate resources to ensure the successful execution and timely completion of projects. The programs under my management consistently generate substantial sales, contributing significantly to overall business growth.

I am known for my adeptness in managing stakeholder relationships, resolving challenges, and fostering a collaborative work environment. I am driven by a commitment to deliver exceptional results, promote innovation, and surpass expectations.

Process Engineer

Linamar Corporation

Sep 2020 - Aug 2022 (2 years)

Process Engineer specializing in the successful launch and optimization of fully automated engine block production lines. Collaborating closely with automation engineers, I developed and implemented the process flow for a state-of-the-art automated production line. Through strategic 2D and 3D floor layout designs, I maximized space utilization and enhanced production efficiency.

Coordinating various Advanced Product Quality Planning (APQP) tasks, I worked in tandem with the program manager to ensure timely program launches while meeting customer demand. Utilizing customer blueprints, I created comprehensive process specification sheets and performed Process Failure Mode and Effects Analysis (PFMEA) for four different product variants.

As part of my responsibilities, I designed and approved various automation cell concepts, overseeing their seamless integration into the production floor layout. I effectively managed relationships with contractors and sub-contractors, ensuring efficient project execution.

An integral part of my role involves driving process improvement initiatives aimed at optimizing Overall Equipment Efficiency (OEE) and minimizing equipment downtime. I actively seek innovative methods to streamline processes and design devices that enhance cycle times.

Proficient in leveraging analytical data, such as machine downtimes, repairs, maintenance, and consumables, I implement data-driven continuous improvement strategies. By identifying areas of opportunity, I have consistently achieved measurable results in enhancing operational performance.

Engineering Co-op Student

Linamar Corporation

Jun 2020 - Aug 2020 (3 months)

- Experienced in 3D and 2D designing in AutoCAD and SolidWorks, assist with floor layouts, generate and process ECR's, fixture designs, and process improvements.
- Worked collaboratively on FMEA, risk analysis, and ensuring proposed customer drawings.

Quality Assurance Co-op Student

Linamar Corporation

Sep 2019 - Dec 2019 (4 months)

- Hands-on experience with fixing various gauges, process capabilities studies, MSA review, Gauge R&R, Control plans, and using various measurement equipment including CMM, caliper, shadowgraph, contour tracer, height gauge, and numerous other variable and attribute gauges.



Quality Assurance Inspector

TRIGO

Sep 2018 - Sep 2019 (1 year 1 month)

- Measuring the parts using various types of metrological equipment.

Site Engineer

D.S Engineers

Jun 2015 - Jul 2018 (3 years 2 months)

HVAC Site Engineer with expertise in designing and implementing HVAC systems in 2D and 3D. As a pivotal member of the HVAC industry, I played a crucial role in ensuring the successful execution of projects. I meticulously reviewed and approved site drawings to ensure compliance with installation requirements, adhering to industry standards and best practices.

One of my key responsibilities was overseeing duct and fabrication design approvals. With a keen eye for detail and extensive knowledge of HVAC systems, I ensured accurate and efficient designs that met project specifications.

I also provided guidance and direction to other employees & contractors, effectively translating duct installation drawings into actionable instructions. By effectively communicating and collaborating with the installation team, I ensured smooth and efficient installation processes.

Throughout my tenure as an HVAC Site Engineer, I consistently demonstrated a commitment to quality, accuracy, and timely project completion. I effectively balanced technical expertise, problem-solving skills, and interpersonal abilities to navigate complex projects and deliver exceptional results.

Education



Faculty of Engineering - McMaster University

Master's degree, Systems and Technology - Automation and Smart Systems

Sep 2022 - Dec 2024

Specializing in Data science, Deep & Machine learning, Artificial intelligence, IoT & IIoT



Fanshawe College

Manufacturing Engineering Technology/Technician

Sep 2018 - Aug 2020

Achieved President's Honor Roll



Gujarat Technological University

Bachelor of Engineering (B.E.), Mechanical Engineering

2011 - 2015

Licenses & Certifications



HVAC - Kansas State University



MasterCAM Lathe - Fanshawe College



MasterCAM Mill - Fanshawe College



Verified International Academic Qualifications - World Education Services

<https://badges.wes.org/Evidence?i=c8032377-daa5-40a1-a811-5d44bfa12f2e&type=ca>



Mechanical Design - PROFESSIONAL - SolidWorks Authorised Training Center

C-BCFMEGWSAJ

Skills

Machine Learning • Minitab • Statistical Process Control (SPC) • MSA • Metrology • SOLIDWORKS
• Construction Engineering • HVAC • Value Stream Mapping • Fluid Mechanics

Honors & Awards

Dean's Honour Roll - Fanshawe College

Dec 2018

Dean's Honour Roll - Fanshawe College

Apr 2019

Dean's Honour Roll - Fanshawe College

Aug 2019

Dean's Honour Roll - Fanshawe College

Apr 2020

President's Honour Roll - Fanshawe college

Aug 2020