

LALITH CHAND SARIPILLI

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🔗 [Lalith-chand-Saripilli.git](https://github.com/Lalith-chand-Saripilli)

Technical Skills

Processes: Discrete systems, Applied Optimization, Inventory Control, Statistics and Production Management

Designing and Simulation: Arena, Ansys, CATIA, SolidWorks, AutoCAD

Programming: Cplex, Minitab, Python, Matlab

Applications: Excel (Advanced functions and Data analysis), PowerPoint, Outlook and Word

Operating Systems: Mac, Microsoft Windows, Unix: Linux and Ubuntu

Languages: French(Intermediate), English(Advanced), Telugu(Native), Hindi(Native)

Certifications

- CSCMP Supply chain
- Project Management
- Power BI
- Agile Methodology
- Lean Six Sigma
- Quality Control
- Kaizen
- IoT (Coursera)

Education

Concordia University

Master of Engineering In Industrial Engineering

Jan 2024 – Dec 2025

Montréal, Québec

Amity school of Engineering and Technology

Bachelor of Technology in Mechanical and Mechatronics Engineering

Aug 2020 – April 2023

Raipur, India

Sankethika Polytechnic College

Diploma in Mechanical Engineering

May 2017 – April 2020

Visakhapatnam, India

Experience

RINL - Vizag Steel Plant

Intern – Continuous improvement Coordinator

May 2019 – Nov 2019

Visakhapatnam, India

- I gained hands-on experience with a variety of machinery, including turret lathes, drilling machines, and computer numerical control (CNC) systems.
- One of the highlights of my internship was learning about the evaporative cooling systems in rolling mill furnaces. These systems are crucial for maintaining optimal production temperatures and ensuring the quality of the steel produced.
- I participated in the plant's shutdown procedures, collaborating with various departments to ensure a safe and efficient process.
- This enriching experience significantly broadened my understanding of industrial operations and processes within the steel industry.

MG RUBBERS Pvt Ltd

Intern – Production Planner

Jul 2023 – August 2023

Durg, India

- Gained hands-on experience in overseeing production process and managing machine handling, which enhanced my skills
- Conducted rigorous inspection and tests to ensure that the final products met the company's stringent quality standards, deepening my understanding of quality management.
- Developed practical knowledge in the industrial recovery of rubber and the overall manufacturing process, significantly contributing to my expertise in production and quality control
- Worked with cross-functional teams to enhance production workflows and improve efficiency in the rubber manufacturing process..

Projects

Optimizing Pharmaceutical Supply Chain Distribution | Python and Excel Solver

October 2024

- Optimized delivery schedules while ensuring compliance with regulatory constraints.
- Incorporated multi-objective optimization for cost reduction and sustainability while analyzing real-world uncertainties to enhance model accuracy, with a focus on patient safety through prioritization of high-demand items.

Dynamic Inventory Management Using Swarm Intelligence | Cplex, Matlab and Python

March 2024

- Led a project using Python, MATLAB, and CPLEX to develop swarm intelligence algorithms for dynamic inventory control, improving system adaptability and efficiency.
- Analyzed historical inventory data to inform algorithm development, resulting in a 20 percent reduction in stockouts and improved inventory turnover rates.

Autonomous-Prototype Car Powered by Integrated Computer Electronics | C, C++ and Arduino

April 2023

- Developed a self-driving prototype car using a Raspberry Pi with cameras and sensors for real-time navigation, conducting design and testing phases to refine problem-solving skills in autonomous technologies.
- Demonstrated expertise in embedded systems by integrating advanced computer electronics and methodologies.