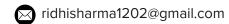
# **RIDHI SHARMA**

#### **GARMENT INDUSTRY ANALYST**





#### **ABOUT**

Fashion technologist specializing in digital solutions for garment manufacturing, optimizing resource allocation using automation. Built a real-time optimization and prediction model for system performance enhancement, dynamic task management and workload reallocation. Passionate about Industry 4.0, data-driven solutions, integrating smart factory innovations for enhanced apparel production performance.



#### **TECHNICAL SKILLS**

Lean Manufacturing

System Design	Python	SQL
Algorithm development	HTML	CSS
Machine learning basics	Figma	Excel
IOT development	Javascript basics	
Apparel Industrial Engineering	Google Sheet automation	
Manufacturing management		

#### **EXPERIENCE**

## 2025 Aquarelle India Pvt. Ltd. - Graduation Project - 4 months

- Developed an Al-powered Pre-Digital Twin system for real-time operator allocation, automated line balancing, and production forecasting in apparel manufacturing, leveraging machine learning, predictive analytics, and workflow optimization.
- A prediction accuracy of 86% and reduced human dependency by algorithmic work assignment.
- An integrated dashboard for to-and-fro information access to take action on inefficiencies.

## 2024 Brandix India Pvt. Ltd - 2 months

• Worked in a team and implemented NEXERA solutions on sewing floor, enhancing real-time monitoring and efficiency. Increased production efficiency by 8% through material flow analysis, layout analysis and process streamlining.

## 2024 Seller on Amazon - 3 months

- Launched and managed a jewelry Amazon store, handling end-to-end operations including product listing, pricing, and order fulfillment. Gained a profit of 32% through advertisements and competitive pricing.
- 2023 Textile internship at Shingora Textiles, Ludhiana Observational internship
- 2023 NIFT Cultural Club Design Head and Event Management
- 2021 Seller on Amazon 6 months
- Successfully launched and managed an sportswear store on Amazon, achieving a 40% profit margin through competitive pricing and customer connection building.

#### **SELF ACHIEVEMENTS**

- Worked in a team of 4 and built a self operated IOT enabled machine maintenance system.
- A detailed study on "Low cost automation for SMEs".
- A posture correction smart t-shirt that gives haptic feedback on detecting ill posture.\
- Crowd identification image recognition Landing Al project.

## **EDUCATIONAL BACKGROUND**

2021 - 2025 (June)	BFTECH, National Institute of Fashion Technology, Mumbai		CGPA 8.6 (7 semesters)
2020	12th	BCM Arya Model Sr. Sec. School, Model Town, Ludhiana	CBSE board - 85%
2018	10th	Sacred Heart Sr. Sec. Convent School	ICSE board - 91.8%