


RIDHI SHARMA

GARMENT INDUSTRY ANALYST

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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

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		
Lean Manufacturing		

EXPERIENCE

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

- Developed an AI-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 AI 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%