ABOUT ME

I`m Habib – 2025 graduate in Apparel Manufacturing and Technology (AMT) from BUFT (senior GPA 3.54/4.00). Passionate about sustainable supply chains, smart textiles, and waste management, with a focus on circular economy practices and technology-driven apparel optimization. Experienced in research projects, leadership roles, and public speaking, committed to driving innovation and sustainability in the fashion industry.

RESEARCH EXPERIENCE

**Using Critical Path Method for Trouser Production Optimization**

• Applied Critical Path Method typically used in construction to optimize trouser production layout.

• Analyzed real factory data to determine earliest start and finish times for each operation.

• Reduced total production time by 87 seconds compared to the traditional layout.

• Enhanced workflow efficiency by identifying key operations affecting production time.

**Development of a Smart Workwear for Real-Time Health and Environment Monitoring**

• Designed and fabricated a sensor-integrated garment capable of tracking heart rate, body temperature, temperature.

• Completed full product lifecycle from concept, material selection, and circuit integration to functional prototype testing.

• Combined textile engineering and digital technology to enhance worker safety and comfort through real-time data collection.

**Undergraduate Research: Futuristic Fashion – Detachable Tech Gadgets**

• Developed a low-cost, detachable wearable system with locally sourced components, ensuring washability and durability.

• Tested core functions (heart rate, step tracking, Bluetooth) with accurate performance.

• Achieved ~40% cost reduction and created a modular, sustainable design, reducing e-waste.

**PROFESSIONAL EXPERIENCE**

**Romo Fashion Today Limited, Junior Merchandiser** January 2025 – Present

* Worked closely with production, washing and quality teams to maintain process consistency from sampling

to bulk production.

* Analyzed **fabric test reports, shade variations, and performance** to ensure compliance with buyer standards
* Coordinated the **pre-sampling process**, ensuring fabric quality, color accuracy, and texture met international buyer specifications
* Supported implementation of **sustainable manufacturing practices**

**Trainee Merchandising Intern**

**Merchandising Division, Romo Fashion Today Ltd. |Dhaka, Bangladesh** December 2024 January 2025

* Assist in developing new garment samples, materials, or designs based on buyer requirements and market trends
* Research and test new fabrics, yarns, and trims to improve garment performance, sustainability, and cost efficiency
* Prepared technical reports and communicated with international buyers

Location: Dhaka, Bangladesh

ar education e position 6/52 kaita diya : passing year 2025 likhis