**Habib Talukder**

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University Address: Nishatnagar, Turag near Dhaka-1230

Permanent Address: Bagadi, Chandpur Sadar Model, Bagra Bazar, Chandpur-3600, Chandpur

**EDUCATION**

**BGMEA University of Fashion Technology (BUFT), Apparel Manufacturing and Technology (AMT)** Mar 2021 – Mar 2025

* School of Textile Engineering and Apparel Manufacturing BSc in AMT
* BUFT BS in waste management
* Senior GPA 3.54/4.00 | Passing Year 2025

**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

**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

**LEADERSHIP EXPERIENCE**

**BUFT Apparel Club (BAC), Vice President, BUFT**  August2024 – March 2025

* Led student initiatives and events on apparel innovation and sustainability
* Coordinated workshops with faculty and industry professionals
* Encouraged teamwork and research collaboration among members

**Class Representative for 7 semester- AMT, BUFT**

* Organized class activities and facilitated peer collaboration.
* Supported students in academic planning and problem-solving
* Liaised between students and faculty on academic and administrative matters

**Volunteer, Bangladesh Garment Manufacturers & Exporters Association (BGMEA) —Sustainable Event 2023**

* Assisted in organizing and managing sustainability-focused workshops and activities
* Promoted awareness of sustainable practices in the apparel industry

**HONORS AND AWARDS**

* Standing out in smart textile and product development
* Final project recognition award 2024 – winner by BUFT Apparel Clubb
* Intra university content writing competition – 1st place

**SKILLS AND INTERESTS**

**RESEARCH:** Data analysis, Academic writing, Report preparation, Literature review

**TECHNICAL:** SPSS, MS Excel (Advanced), Auto CAD for Pattern Design  
**LANGUAGE:** English (Fluent), Bangla (Native)