ASHIKUR RAHAMAN

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CAREER OBJECTIVE

A motivated Textile Engineering graduate specializing in Yarn Engineering, seeking an internship in the textile manufacturing industry. Passionate about expanding practical knowledge across the textile production chain — from spinning and fabric development to apparel manufacturing and quality assurance — while contributing to efficient, innovative, and sustainable operations.

EDUCATION

B.Sc. In Textile Engineering **2022 - Present**

School of Science | Tangail Textile Engineering College

CGPA: 3.12/4.0

Diploma In Textile Engineering **2016 - 2021**

National Polytechnic Institute

CGPA: 3.81/4.0

PUBLICATIONS

- **Rahaman, A.**, Khalil, E., Miah, M. H., Ahmed, S., Hossen, A., & Khatun, S. "**Predictive Modeling of Tearing Strength in Laser-Engraved Denim Garments Using Multiple Linear Regression.**" Advanced Research Journal, Vol. 6, No. 1 (2025), Published June 9, 2025.
  [DOI: https://doi.org/10.71350/3062192558]
  Developed a Multiple Linear Regression (MLR) model to predict denim tearing strength with high accuracy (R^2 = 0.9967 warp, 0.9911 weft), aiding optimization of laser engraving parameters in denim production.
- **Rahaman, A.**, Hossain, S., Khalil, E., Akter, S., Roy, C. K., Saikat, P., Bala, P., & Amin, M. A. "**Comparative Study on the Quality Parameters of Ring and Rotor Spun Yarn: A Case Study.**" Advanced Research Journal, Vol. 8, No. 1 (2025), Published July 14, 2025.
  [DOI: https://doi.org/10.71350/3062192577]
  Conducted a comparative analysis of ring spun and rotor spun 20 Ne carded yarns (100% Brazilian cotton). Evaluated mass variation, imperfections, hairiness, and tensile properties (CSP, tenacity, elongation). Found that ring spun yarn exhibited higher tensile strength and CSP, while rotor spun yarn showed better uniformity and lower hairiness—providing insights for selecting optimal yarn types for desired fabric performance.

WORKSHOPS & LEADERSHIP

Class Representative (CR) — Department of Yarn Engineering **2024 - Present**

- Represented the entire class in academic and administrative matters, acting as the communication bridge between faculty and students.
- Coordinated schedules, class notices, and academic updates to ensure smooth information flow.
- Assisted faculty in organizing departmental events, presentations, and industrial visits.

Research Assistant — Tangail Textile Engineering College **Feb 2024 - April 2024**

Supervisor: Elias Khalil, Lecturer.

ADDITIONAL INFORMATION

- **Technical & Soft Skills:** Yarn testing and analysis, fiber identification and quality control, fabric property evaluation and defect analysis, MS Office (Excel, Word, PowerPoint), leadership and teamwork, research assistance and documentation.
- **Languages:** Bengali (Native), English (Conversational).