

Keya Das

Textile Engineer · Product Development & Merchandising

Mönchengladbach, Germany

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PROFILE

- Textile engineer with 2 years of product development experience at Welspun Living (terry towels) and Vardhman Textiles (yarn-dyed fabrics).
- Prepared 150+ final tech packs per month for bulk production, costed and tracked 200+ samples per month, and kept product and material master data correct across SAP, BeProduct PLM and Excel.
- Monthly OTIF and development reporting to management; daily process and test reports; Power BI dashboards.
- M.Sc. student at Hochschule Niederrhein, looking for a working student role in product development, merchandising or product operations. Available immediately, 20 hrs/week during semester.

WORK EXPERIENCE

01/2025 – 04/2025

Senior Officer, Yarn-Dyed Product Development

Vardhman Textiles Ltd., India

- Developed yarn-dyed fabrics for international fashion brands, focusing on processing from dyeing to finishing; planned processing samples.
- Prepared 10+ process and test reports every day.
- Defined process routes from dyeing to finishing and selected finishing chemicals to meet physical parameters.
- Discussed test results and technical requirements directly with customers, negotiated changes and turned them into development documents.

07/2023 – 01/2025

Engineer, Terry Towel Product Development

Welspun Living Ltd., India

- Developed terry towels for retailers in the US, UK, Europe and India, such as Walmart, Costco and IKEA.
- Developed a sustainable terry towel with regenerated cellulosic (lyocell) yarn in both warp and weft.
- Analysed fabric samples for construction and performance against buyer specifications.
- Prepared 150+ final tech packs per month for bulk production, article by article; maintained product and material master data in SAP MM, BeProduct PLM and Excel.
- Costed and tracked 200+ free-of-charge samples per month.
- Quality control and testing of softness, absorbency and durability, with regular inspections.
- SAP MM/SD: sales orders, purchase requisitions and purchase orders, goods movements, stock transfers, material labels.
- Monthly OTIF and development reports to management; coordination with marketing, production, supply chain and logistics.

- 07/2022 – 08/2022 **Internship Trainee, Spinning**
Alok Industries Ltd., Silvassa, India
- Yarn quality trial on 100s combed compact cotton (Uster Tester 5): compared spacer sizes and winding speed/tension settings.
 - Recommended setting (2.5 mm spacer, 700 m/min, 9 cN) reduced the imperfection index by 18%.

OTHER EXPERIENCE

- 07/2025 – 2026 **IELTS preparation and Master's applications**
IELTS result: C1
- 05/2025 – 06/2025 **Summer Intern, She Can Foundation (NGO)**
Fundraising coordination, awareness campaigns, community support.

EDUCATION

- 2026 – present **M.Sc. Management of Textile Trade and Technology**
Hochschule Niederrhein, Mönchengladbach
- Key modules: Innovative Materials and Products, Functional and Protective Garments, High Performance Fibers, Advanced Management Skills, Environmental Management and Business Ethics.
- 2020 – 2023 **B.Tech Textile Technology · CGPA 9.10/10, First Division with Distinction**
M.L.V. Textile & Engineering College, Bhilwara, India
- 9th merit rank, Rajasthan Technical University (Certificate of Merit).
 - Final project: Stitch type and density vs. seam efficiency: 216 samples, 4 stitch types, ASTM D1683; 4-thread chain stitch gave the highest seam efficiency (61%).
- 2017 – 2020 **Diploma, Handloom and Textile Technology · 85.38 %, First Class with Distinction**
Indian Institute of Handloom Technology, Fulia, India
- Final project: Natural dyes on handloom fabrics: shade cards for 12 natural dyes on cotton, silk and linen with different mordants; screen and block printing.

SKILLS

- Product** Product development, tech packs, sample costing, quality testing, root cause analysis, customer requirement analysis, process documentation, OTIF
- Systems** SAP MM & SD, BeProduct PLM, Power BI, MS Excel, PowerPoint, Word
- Technical** Fabric analysis (construction, yarn, weight), terry and yarn-dyed woven development, dyeing and finishing process routes, finishing chemical selection, towel performance testing (softness, absorbency, durability), root cause analysis
- Languages** English C1 (IELTS) · Hindi, Bengali (native) · German A1 (learning)

CERTIFICATIONS

- 2025 AI Dashboards using Microsoft Power BI, 2-day workshop, Skill Nation
- 2022 Technical Textiles, NPTEL online certification
- 2021 Geosynthetics: Products, Testing & Applications, 4-day training, BTRA (Platinum grade)

Mönchengladbach, October 2026