



Joyanta Sarkar

📞 Phone number: (+880) 1701023688

✉ Email address: joyanta.sarkar.texengg@gmail.com

🌐 LinkedIn: <https://www.linkedin.com/in/joyanta-sarkar-te12/>

🌐 Website: <https://joyantasarkar.vercel.app/>

📍 Home: D.C. Road Dubai Building, Dewanbazar, 4000 Chattogram (Bangladesh)

ABOUT ME

"Seeking a smart, innovative work environment to leverage technical expertise and contribute to organizational growth. Passionate about exploring new technologies and committed to excellence."

WORK EXPERIENCE

🏢 **Pacific Jeans** – Chattogram, Bangladesh

Executive

[2021/06/01 – Current]

- Managed denim washing and garment dyeing operations including enzyme, stone, bleach, acid, PP spray, and laser finishing to achieve targeted aesthetics and buyer specifications.
- Controlled critical quality parameters such as shade variation, back staining, and washing defects to ensure bulk consistency and approval.
- Coordinated directly with buyers directly for shade approval, wash standard development, and bulk production validation.
- Optimized washing process parameters (pH, temperature, time, liquor ratio) to enhance reproducibility and reduce variation.
- Improved process consistency through batch standardization and control, reducing rework and defect rates by 7-10%.
- Collaborated cross-functionally with QA and R&D teams to resolve quality issues and drive continuous process improvement.
- Conduct lab testing, shade evaluation, and fastness analysis to ensure compliance with buyer requirements and chemical safety standards.
- Maintain ERP-based production tracking (Oracle) and documentation in compliance with 5S and sustainability protocols.

🏢 **Infinia Group** – Chattogram, Bangladesh

Internship

[2021/01/01 – 2021/03/20]

- Completed a comprehensive 2-month industrial attachment across multiple production units, including Spinning, Knitting, and Dyeing.
- Spinning: Observed yarn manufacturing processes, focusing on blowroom operations, carding, and ring spinning to ensure high-quality fiber output.
- Knitting: Gained hands-on exposure to circular and flat knitting machinery, monitoring fabric construction and identifying common knitting defects.
- Dyeing & Finishing: Studied chemical processing, color fastness testing, and the application of various dyes on different fabric types to meet international quality standards.
- Operations & Compliance: Collaborated with the HR and Compliance departments to understand factory safety protocols and industrial management workflows.

EDUCATION AND TRAINING

Bachelor of Science in Textile Engineering

Port City International University [2017/01/04 – 2021/03/31]

City: Chattogram | Country: Bangladesh | Website: <https://www.portcity.edu.bd/>

Higher Secondary School Certificate

Chattogram Biggan College [2014/01/05 – 2016/08/17]

City: Chattogram | Country: Bangladesh

Secondary School Certificate

Bakalia Govt. High School [2009/01/01 – 2014/05/15]

City: Chattogram | Country: Bangladesh

SKILLS

Denim wash development / Optimize time & chemicals / Prepare lab dip & recipes / Communication & analytical / Quality Assurance / Microsoft Office Management / LaTeX / Programming - Python, C & SQL / Lead to plan & execution / Oracle ERP / Blender & Solidworks

LANGUAGE SKILLS

Mother tongue(s): Bengali

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PROJECTS

[2020/10/15 – 2021/03/20]

Identifying the values of whiteness index and absorbency test of cotton knitted fabric in comparison with different Bleaching Agent This research is a study of finding out industrial alternate chemical where H_2O_2 used for bleaching. This research been conducted by Na_2HOCl & $Na_2H_2BO_4$ and comparing their effectivity by measuring their absorbency by drop test. The whiteness index result investigated by spectrophotometer.

Link: <https://tinyurl.com/3w633t36>

[2020/03/01 – 2020/03/15]

Textile Sludge Management This project focused on implementing a sustainable business model integrating textile sludge treatment and valorization techniques to convert waste into value-added materials.

CERTIFICATIONS

[BGMEA (SEIP), 2023/11/28]

Production Planning & Management

- Completed 80-hour industry training at Pacific Jeans Ltd.
- Gained expertise in production planning, garment manufacturing processes, and workflow optimization
- Applied data management, OHS practices, and waste control techniques for efficiency improvement

Mode of learning: Work based

[Sololearn, 2023/11/18]

Data Programming

- Completed a comprehensive course covering both theoretical and practical applications of data programming.
- Mastered foundational concepts for data manipulation and analysis.

Mode of learning: Online

[Sololearn, 2023/09/28]

Python Developer

- Advanced training in Python development, focusing on object-oriented programming (OOP), functional programming, and software design principles.
- Demonstrated mastery of complex data structures and building robust, scalable Python applications.

Mode of learning: Online

[Infinia Group, 2021/03/25]

Completing Internship

- Completed a 2-month comprehensive Industrial Attachment program focusing on textile manufacturing processes and factory operations.
- Gained hands-on exposure to industrial-scale production workflows, quality compliance, and departmental coordination.
- Observed and analyzed technical processes in a large-scale industrial setting to bridge the gap between academic theory and practical application.

Mode of learning: Work based

[Port City International University, 2020/03/17]

Innovative Project Submission

- Awarded for developing an innovative project during the university's "Mujib Borsho" (Centenary of Sheikh Mujibur Rahman) celebrations.
- Selected as a top three finalist out of numerous student-led technical and creative entries.

Mode of learning: Project based

CONFERENCES AND SEMINARS

[2021/03/12 – 2021/03/13] Chattogram, Bangladesh

International Conference on Sustainable Development in Technology for 4th Industrial Revolution

- Recognized for outstanding dedication and commitment at the International Conference on Sustainable Development in Technology for 4th Industrial Revolution (4IR).
- Engaged with global research and innovations centered on integrating sustainable technology within modern industrial frameworks.

VOLUNTEERING

[2018/04/28] Chattogram, Bangladesh

Volunteering

- Assisted in the successful execution of the university's Summer Orientation Program, managing logistics and guiding new students.
- Demonstrated strong **teamwork**, **communication**, and **event coordination** skills within a large-scale institutional setting.

SOCIAL AND POLITICAL ACTIVITIES

[2020/03/01 – 2021/02/28]

President - Bani Archana Parishad

[2019/06/15 – 2020/03/31]

Assistant Press and Media Secretary - Textile Club, PCIU

[2017/06/15 – 2019/07/31]

Debater - Port City International University Debate Forum, PCDF

[2019/06/10 – 2020/03/31]

Debater - Textile Debate Club, PCIU

HOBBIES AND INTERESTS

Playing Guitar

Doing Music

Photography

Reading Books

Travelling

Hiking

Playing Chess