Shantanu Guin

Student, B.F.Tech

ABOUT ME

My world exists at the intersection of fashion and technology. I'm passionate about using automation and digital design to build the future of apparel & engineering systems that are not just smarter, but also more creative and responsible.

EDUCATION

National Institute of Fashion Technology (NIFT)

NewDelhi | 2022–2026 | B.F.Tech. (CGPA: 8.6)
Specialization: Apparel Production Technology (Major) & Display/Presentation Design (Minor).

Secondary Education (CBSE)

2020-2022 | Class 12 (PCM) & Class 10 CBSE

LANGUAGES

English (Fluent), Hindi (Fluent), Bengali (Native), Tamil (Beginner)

PROJECTS

- **Smart inventory system using RFID** that enables **JIT principle to optimize material flow & improve 60% handling efficiency.**
- Developed and presented a **comprehensive fashion forecast for the A/W 2023–2024 season.**
- **Documented Madhubani painting processes**, analyzing its materials and techniques.
- **Reduced style changeover time** on a sewing line & **developed a simulation of the production line** to form a **more efficient workflow, projecting 25% reduction in equipment downtime.**
- Researched machinery, fabrics, and processes for **stitchless garment manufacturing.**

CONTACT INFO

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SKILLS

Technical Tools: Microsoft Office Suite (Advanced Excel, VBA), PowerBI, Google Sheets (App Script), AutoCAD 3D, TukaCAD, Lectra Modaris, CLO3D, Figma, Blender, Fusion 360.
Coding & Mechatronics: Python, Web Development (HTML5, CSS, JS, Bootstrap5), Arduino, Raspberry Pi, Android Development (Beginner).
Apparel Technology: Stitchless Garment Manufacturing, Pattern Making, Garment Construction, Time Study (TimeSSD), Fast React.
Soft Skills: Leadership, Communication, Event Management, Problem-Solving, Team Collaboration.

KEY ACHIEVEMENTS

- Developed an **AI/ML-powered computer vision system** to automate **garment defect analysis** for enhanced quality control.
- **Engineered and built** custom hardware from scratch, including an **AGV, Arduino inventory system**, to automate physical logistics.
- Performed a **research of full Life Cycle Assessment** (LCA) on **MycoReishi mycelium** to scientifically quantify its environmental benefits as a leather alternative.
- **Project experience with certification** from **the Universal Robots Academy** and **ongoing specialization** in **Oracle Cloud AI and SAP S/4HANA.**

WORK EXPERIENCE

Apparel Production & Quality Intern | Vamani Overseas Pvt. Ltd.

July 2025 – August 2025

- Drove **15% efficiency gain in first-hour production** by **developing PowerBI dashboards**, slashed daily meeting times from 1.5 hours to under 40 minutes. This, **along with a "Style-Wise Budget Calculator"**, served as a **departmental training program.**
- **Reduced defect rates** by performing in-depth **root cause analysis on over 200 rejected garments** to identify and resolve core production issues.

Apparel Production & Process Improvement Intern | Lila Vastra

June 2025 – June 2025

- Conducted a time and motion study on a **FabIndia kurta to optimize processes and developed new SOPs** with visual aids, **projecting a 45% reduction in sewing defects.**

Textile Trainee | Vardhman Textiles Pvt. Ltd.

June 2024 – July 2024

- **Comprehensive training and hands-on experience** covering textile production lifecycle, from initial fiber selection through Spinning, Weaving, and final Fabric Processing.

LEADERSHIP & VOLUNTEERING

- **Led a 120+ member team** as the **Student Head** to manage the **central placement process for all 18 NIFT campuses.**
- **Led a 100-member team** in organizing 12+ events for over 500 attendees as the **Secretary & President of the Social Club** in NIFT & c**ontributed to social causes** with organizations, like **BloodConnect, Tapas Foundation, and AIESEC at IIT Delhi.**