

SHANTANU GUIN

Student, B.F.Tech

CONTACT

-  New Delhi, India
-  +91 914 295 6840
-  shantanu.guin281203@gmail.com
-  linkedin.com/in/shantanuguin

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).

Creative: Adobe Creative Suite, Canva, ProCreate, Photography & Videography, DAWs.

Apparel Technology: Stitchless Garment Manufacturing, Pattern Making, Garment Construction, Time Study (TimeSSD), Fast React.

Soft Skills: Leadership, Communication, Event Management, Problem-Solving, Team Collaboration.

EDUCATION

National Institute of Fashion Technology (NIFT)

New Delhi | 2022-2026 | B.FashionTech. (CGPA: 8.6)

Secondary Education (CBSE)

2020-2022 | Class12(PCM)&Class10

CERTIFICATIONS

- Universal Robots Academy
- Oracle Cloud Infrastructure AI
- SAP S/4HANA (Ongoing)

ABOUT ME

A highly motivated and analytical 4th-year Fashion Technology student at NIFT, New Delhi (CGPA: 8.6), with hands-on internship experience and research in mechatronics, ergonomics, sustainable materials, and digital consumer engagement. Proven ability to increase production efficiency by 15% and reduce defects by 75% through data-driven analysis. Certified in Universal Robots and proficient in 3D design, and cloud AI, seeking to drive automated and sustainable innovation in the apparel industry.

KEY ACHIEVEMENTS

- Process Optimization:** Increased production efficiency by 15% at Vamani Overseas through data analysis, new checklists, and ergonomic improvements.
- Quality Assurance:** Developed new SOPs projected to reduce critical sewing defects by over 75% using root cause analysis and TQM tools.
- Automation & Mechatronics:** Engineered a low-cost AGV (within a ₹4000 budget) and achieved three professional robotics certifications.
- Sustainable Innovation & LCA:** Researched mycelium composites, quantifying a 94% carbon footprint reduction compared to traditional leather via an LCA.
- Tool Development:** Designed a "Style-Wise Plan & Budget Calculator" using HTML & JS, reducing budget creation time by 30% and improving cost accuracy by 20%.

WORK EXPERIENCE

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

June 2025 – August 2025

- Developed a website and hosted for the "Style-Wise Plan & Budget Calculator".
- Developed PowerBI dashboards, driving a 15% increase in efficiency.
- Trained the IE department on advanced PowerBI features.
- Conducted ergonomic assessments to mitigate risks and improve comfort.
- Assisted in root cause analysis on over 200 rejected garments.

WORK EXPERIENCE (CONTINUED)

Apparel Production & Process Improvement Intern | Lila Vastra

June 2025

- Developed SOPs with visual aids, projecting a 45% reduction in sewing defects.
- Conducted a time and motion study for a FabIndia kurta to improve workflow.

Textile Trainee | Vardhman Textiles Pvt. Ltd.

June 2024 – July 2024

- Completed training covering the entire textile lifecycle, from fiber to fabric.
- Gained hands-on experience in Spinning, Weaving, and Fabric Processing.

PROJECTS & RESEARCH

Project: AI Fabric Inspection Machine: Engineered a prototype using MATLAB (Image Processing) and sensors to automatically detect weaving defects.

Project: IoT Inventory Management: Built a model with Arduino Uno, Raspberry Pi, Camera Module, and Ultrasonic Sensors for live fabric roll tracking.

Project: Live Web App (Budget Calculator): Deployed a cost planning tool using HTML/CSS/JS, reducing planning time by 30%.

Project: Stitchless Garment Technology: Investigated and documented the machines and fabrics used in stitchless garment manufacturing.

Research: Mechatronics in Apparel: Studied sewbots, automated fabric spreading, and AGVs for Industry 4.0 integration.

Research: Sustainable Materials & LCA: Performed a 'cradle-to-gate' Life Cycle Assessment on mycelium leather, applying ISO 14044 standards.

Research: Craft Documentation (Madhubani Painting): Documented the traditional process, preserving cultural heritage through analysis of materials, motifs, and techniques.

Research: Fashion Forecasting: Conducted and presented detailed trend research for the 2023–2024 session.

ACADEMICS & LEADERSHIP

- **NIFT Specialization:** Apparel Production Technology (Major) & Display/Presentation Design (Minor).
- **President, Ethics & Social Activities Club:** Led a 15-member team, organized 5+ events for 500+ attendees.
- **Leadership Roles:** Secretary, Social Club; Member, Student Development Council; Member, Team Rang (Music).
- **Extra-Curricular:** Volunteer & Photographer, Bharat Tex (2023–25); Core Team, Spectrum 2024; Volunteer for BloodConnect, Tapas Foundation, & AIESEC at IIT Delhi.

LANGUAGES

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