ADITI GALADA

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Website
https://aditi-galada.github.io/portfolio/

Skills

3D CAD
Clo3D, Optitex, Browzwear, AutoCAD, TinkerCAD

Design Tools
Laser Cutting, 3D Printing, Sonabonding

Adobe Creative Suite
Illustrator, Photoshop, InDesign

Apparel Design
Pattern Making, Garment Construction, Digital Prototyping

Textile
Weaving, Fabric Testing

Programming
Python, C++, MATLAB, JMP, HTML/CSS, Java Script PHP, ASP.Net, VB.Net, MySQL

Statistics
Regression, time-series, clustering, decision trees, regularization, ANOVA

Relevant Coursework

Understanding Functional Aspects of Clothing & Design
Human Factors: Anthropometrics and Apparel
Statistics for Social Sciences
Machine Learning

Professional Memberships

International Textile and Apparel Association
Association for Computing Machinery

EDUCATION

Master of Arts in Apparel Design • *Cornell University, Ithaca, NY* **December 2022 (Expected)**
Cumulative Grade Point Average: **4.23/4.33**
Major: Apparel Design | Minor: Human-Computer Interaction

Bachelor of Fashion Technology • *National Institute of Fashion Technology, India* **July 2020**
Cumulative Grade Point Average: **9.8/10.0**
Awards: Best Academic Performance, Best Graduation Project, Most Commercially Viable Project

RELEVANT EXPERIENCE

FIT:MATCH • *Data Science Intern* **Jan 2022 – Present**
• Assisted in building and improving body landmark detection algorithms for 3D body scans. Key landmarks include crotch point, armpit points, and underbust location.
• Assist in scan testing, generated reports with statistical analysis results and graphics, identified issues and provided feedback.
• Contributed to processing of scans and survey data cleaning.

Cornell Digital Fashion and Body Scan Research Lab • *Research Assistant* **June 2021 – Present**
• Developed a prediction model to predict the crotch length with 90.53% accuracy with five predictor variables. Experimented with ordinary least square, lasso and principal component regression models.
• Collaborated with a five-member research group that analyzed the impact of using 3D body scanning on fit satisfaction, attitude, and purchase intention in online mass customization

Biba Apparels Private Limited • *Retail Manager* **June 2020 – January 2021**
• Managed a team of 8 retail associates at two retail stores, interfaced with customers, tracked, and analyzed customer feedback, managed inventory, forecasted sales, selected product assortment in tradeshows and contributed to the overall success of the store

Kontoor Brands Inc • *Product Development Intern* **January 2020 – March 2020**
• Created tech packs and assisted in design and development of AW'20 product range
• Contributed to fit analysis and review sessions with merchant, and design teams
• Received, tracked, managed, and sorted samples for the roadshow
• Evaluated fit of men's jeans and set fit standard by through K-Means clustering
• Developed a real-time competitor analysis tool to perform market mapping

Raymond Apparel Limited • *Industrial Engineering Intern* **June 2019 – August 2019**
• Developed a real time production monitoring system for the mass customization production process using Python
• Increased the productivity of cutting department by more than 50% through industrial engineering

Arvind Limited • *Operations Intern* **June 2018**
• Comprehended the concept of spun yarn production, woven and knit grey fabric production, dyeing, printing, finishing and textile testing

Indian Terrain Fashions Limited • *Supply Chain Intern* **July 2017**
• Contributed to the supply chain department in preparing for the AW'18 roadshow by following supplier deliveries, preparing tech packs, and assessing quality of samples

PUBLICATIONS

Galada, A. and Baytar, F. (2022). Developing a prediction model for crotch length measurement to improve bifurcated garment fit and enable mass customization. *International Journal of Clothing Science and Technology* (Submitted for Initial Review)

Baytar, F., Kim, Y., Maher, M., **Galada, A.**, and Devine, C. (2021). Examining lower-body measurements at the trochanterion level to inform absorbent product sizing using 3D body-scanning technology. *International Journal of Clothing Science and Technology* (Submitted for Initial Review)

Galada, A. and Baytar, F. (2021). Towards Improving Understanding of Connecting 2D and 3D by Using VR and Digital Prototyping. *CHI Conference Extended Abstracts on Human Factors in Computing Systems*. (Submitted for Initial Review)

Ku, P., Huang, K., **Galada, A.**, and Kao, HL. (2022). Patch-O: Shape Changing Woven Patches for On Body Actuation. *CHI Conference Extended Abstracts on Human Factors in Computing Systems*. (Revised & Resubmitted)