

# Utsav Seth

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Transformation enthusiast in product and data analytics. Experienced in optimizing processes across manufacturing, sustainability, and tech sectors through automated dashboards and Agile methods. Skilled at translating data into strategic insights while leading cross-functional teams to deliver innovative, business-aligned solutions

## EDUCATION

### Duke University, Durham

Aug 2023 – Dec 2024

Master of Engineering Management

**Coursework:** Design Thinking and Innovation, Intellectual Property Law, Negotiations, Marketing, Quant Finance

### University of Washington, Seattle

Sep 2019 – Jun 2023

Bachelor of Science in Mechatronics Engineering

**Coursework:** Embedded Computing, New Product Development, Nanodevices, Engineering Design

## PROFESSIONAL EXPERIENCE

### Project Management Intern — Kurated Learning, Durham, USA

Feb 2025 – Present

- Defining and tracking sprint deliverables by organizing backlog items in Jira and facilitating structured sprint reviews to ensure timely execution and alignment of FIGMA prototypes for the Kurated product launch.
- Analyzing marketing performance metrics using A/B testing and user behavior data to improve marketing plans and website content, increasing audience growth and user acquisition.

### Project Management Intern — Volvo GTT, Greensboro, USA

May 2024 – Dec 2024

- Developed an automated Power BI dashboard for the target truck parts phase-out process, enabling real-time data visibility and accelerating strategic decision-making, while reducing documentation man hours by 50%.
- Led sprint cycles, collaborating with Product Owners and QA Engineers to define and implement user stories, resulting in 12+ process improvement requests using Agile methodologies.
- Automated ERP data processing through Power BI workflows, accelerating LCA for product offerings by 30%.
- Analyzed Material Data System (MDS) truck datasets to identify PFAS contributions across the product lifecycle, aligning Volvo's sustainability strategy with CARB 27 decarbonization compliance.

### Product Consultant — Albert Invent, Oakland, USA

Sep 2023 – Dec 2023

- Designed a 'Green Score' model by analyzing 400,000 materials with 30 KPIs, enhancing the organization's impact assessment capabilities and providing stakeholders with data-driven insights for product development.
- Applied clustering techniques and statistical analysis to segment large datasets, uncovering trends that improved the precision of environmental performance calculations, enabling more informed sustainability decisions.

### Data Engineer — Boeing Advanced Research Centre UW, Seattle, USA

Mar 2022 – Jun 2023

- Developed an ergonomics risk assessment system for composite hand layup processes, integrating biomechanical metrics to enable real-time risk evaluation and data-backed decision-making in manufacturing safety.
- Designed and managed multimodal sensor data pipelines, incorporating Alpha Pose and Tactile Gove inputs to capture upper body posture and hand forces, enabling real-time analysis and proactive risk mitigation.
- Trained machine learning models on sensor data from 10+ subject trials, achieving 91% accuracy in detecting musculoskeletal risk factors for early intervention and workplace injury prevention.

## LEADERSHIP EXPERIENCE

### President — Duke Innovation and Entrepreneurship Club, Durham, USA

Jan 2024 – Sep 2024

*Fostering Innovation and Entrepreneurship by acting as an incubator, forging key industry partnerships*

- Executed an innovative 'Presentation Karaoke' event for 50 entrepreneurs, driving a 75% increase in engagement
- Effectively delegated tasks using project management tools, achieving a 90% completion rate ahead of schedule

## SKILLS

**Product:** Agile, Stakeholder Engagement, Prioritization, Customer Journey Mapping, Wireframing, Project Tracking, User-Centric Design, A/B Testing, Quality Assurance, Data-Driven Decision, Go-To-Market Planning

**Technical:** Jira, Tableau, Power BI, Trello, Figma, Confluence, SDLC, Notion, AWS, Salesforce, Google Analytics, SQL, Microsoft Office, Scrum, Python, Kanban, Smartsheet, Application Programming Interface (API) Integration

## PUBLICATIONS

Data-Driven Ergonomic Risk Assessment of Complex Hand-intensive Manufacturing Processes