SHREYA JOSHI

Data & AI Analyst | Supply chains | Climate & Sustainability Analytics | Systems thinking
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PROFESSIONAL SUMMARY

Systems thinking data analyst interested in working with messy real-world problems. Skilled in AI, ML, statistical modelling and GIS applications and translating technical evidence into decision-ready recommendations for business and sustainability projects. Experienced coordinating cross-functional workstreams and managing data collection under deadline pressure, with international perspective from research and fieldwork across the U.S. and South Asia.

SKILLS, FRAMEWORKS & CERTIFICATIONS

Programming & Data: Python, SQL, R, Excel/VBA, SAP, data pipelines, GIS
AI/ML: LLMs, RAG, vLLM, Qwen, LangChain, XGBoost, SVM, PCA, predictive modeling
Analytics & Visualization: Power BI, Tableau, Plotly (Python)
Cloud/Compute: HPC/Slurm, Google Earth Engine
Business Analytics: Financial modeling, NPV, cost-benefit analysis, scenario analysis
Domain: Climate risk, ESG, Scope 1-3, adaptation finance

Certifications: Bloomberg ESG (2025) | Bloomberg Finance Fundamentals (2026) | Tableau User Certification (2025) | Negotiation Skills - LinkedIn Learning (2025)

RELEVANT EXPERIENCE

Graduate Researcher - Sustainable & Climate Finance | University of Michigan *Jan 2025 - Present*

- Assessed **climate and environmental risk indicators** (soil quality, nutrient discharge) to evaluate incentive alignment and risk oversight for investor and lender decision-making.
- Designed stakeholder interviews capturing financial and environmental decision-making behavior and perceptions.
- Built an end-to-end **AI agent simulation framework** for 100+ farmer profiles using Qwen, vLLM, RAG pipelines, and structured data inputs to model adaptation decisions under uncertainty. Developing sandbox APIs that add farm profit and loss and environmental metrics (soil health, runoff, GHG emissions) to the agent model.
- Resulting tool is being used to study **blended finance, insurance provisions, and revenue-based benefit stacks** to structure adaptation and income-resilience mechanisms for 100+ smallholder and Midwest growers under a carbon-market pilot.

Supply Chain Sustainability Intern | Steelcase Inc., Ann Arbor, MI (Remote) *May 2025 - Feb 2026*

- Benchmarked EcoVadis, SBTi, and CDP metrics across sectors and prepared a comprehensive brief informing the company's responsible sourcing policy.
- Project-managed an end-to-end **US SEC conflict minerals compliance** campaign across **80+ suppliers** in NA, APAC, and EMEA, coordinating data collection, risk analysis, and stakeholder engagement to meet audit deadlines.
- Monitored and synthesized **ESG disclosure regulations** (CSRD, CBAM, California SB) into concise briefs guiding near-term strategy decisions.
- Built Scope 3 emissions Tableau visualizations and automated dashboards tracking decarbonization progress across 100+ upstream suppliers, supporting SBTi and net-zero target-setting.
- Benchmarked EcoVadis, SBTi, and CDP metrics across sectors, preparing a **comprehensive brief** that informed the company's responsible sourcing policy.

Operations Sustainability Intern | Steelcase Inc., Grand Rapids, MI *May 2025 - Aug 2025*

- Built ML imputation models (XGBoost, SVM, PCA preprocessing) in Python to fill missing weight values from SAP databases, reducing yield estimation error (RMSE) by over 70%, and reduced manual time from 80hrs to 10hrs.
- **Reconciled 70% of data mismatches** in water and waste reporting across IBM Envizi and Resource Advisor, validating figures against in-situ measurements to improve external reporting integrity.
- Supported **Air Permit, ISO 14001, and FSC certification audits**, preparing audit-ready documentation and addressing post-audit recommendations.
- Applied **GIS analysis** to map environmental and compliance risk, informing decisions that avoided upto $1M large future noncompliance costs.

Research Consultant Intern | Better Carbon Living Pvt Ltd *May 2022 – Sep 2022*

- Conducted carbon footprinting for financial services and public WASH sector clients, mapping Scope 1, 2, and 3 emissions across different office and plant locations.
- Compiled ESG supply chain compliance datasets and prepared client-facing presentations for stakeholders.

EDUCATION

MS, Sustainable Systems & Development, *GPA: 3.87 / 4.0*
School for Environment & Sustainability, University of Michigan 2024 - 2026
Relevant coursework: Environmental Economics (Cap & Trade, CBA), Energy Justice, Program Evaluation for Sustainable Development, Renewable Energy Modeling, Energy Planning