BHARGAVI LANKA

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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, SLOAN SCHOOL OF MANAGEMENT   Cambridge, MA
Candidate for Master of Business Analytics, Operations Research Center, August 2025   2024 – Present
- ML Project: Holistic neighborhoods analyses, including gentrification prediction (KNN, KMeans, Regression, XGBoost)
- Optimization Project: Optimal placement of air quality sensors to inform targeted pollution policies (Python, Julia)
- Organizations: Sloan Transportation and Mobility, Food and Agricultural, The Yarn (community storytelling)
- Leadership: Social Media Director for the MBAn class of 2025

GEORGIA INSTITUTE OF TECHNOLOGY   Atlanta, GA
Bachelor of Science in Industrial and Systems Engineering   2019 – 2023
- Concentration in Analytics and Data Science
- Relevant Coursework: Constraint Programming, Online Learning, Decision and Data Analytics, Regression and Forecasting
- Honors: Highest Honors (Academic), Student Leadership Award (launching DEI and community well-being initiatives)

TECHNICAL SKILLS

- Programming: Python (StatsModels, Keras, TensorFlow, PyTorch, Streamlit), R, SQL, Julia, Java, JavaScript, HTML/CSS
- Dashboarding: MySQL, PostgreSQL, BigQuery, Tableau, Excel (VBA, PivotTables), Looker, Figma
- Certifications: Lean Green Belt (IISE), Six Sigma Green Belt (IISE)

EXPERIENCE

MIT SLOAN SCHOOL OF MANAGEMENT   Cambridge, MA
Graduate Research Assistant with Dr. Swati Gupta   Aug 2024 – Present
- Evaluate bias in hiring algorithms using XGBoost, Random Forest, etc. to capture model performance/confidence trade-off
- Build frond-end application using Streamlit for hiring managers to visualize biases in hiring algorithms using their own data
- Share weekly research updates and learn new ML and optimization tools to leverage these concepts in improving fairness

MIT SLOAN | VISA   Cambridge, MA
Analytics Team Member   Aug 2024 – Dec 2024
- Ran multi-linear regressions across 92 distinct groups with Python to isolate the impact of poverty on business performance
- Identified specific factors of poverty that drive business success, improving baseline predictive model performance by 4%
- Presented findings and recommendations for small and medium business strategy to CDO and policy/data science teams

MORNING CONSULT   New York, NY
Research Associate   Feb 2024 – Aug 2024
- Built R scripts to detect and mitigate fraud in survey data from 17 panel providers, delivering reliable insights to clients
- Automated client reporting workflows using DisplayR for multimodal data, reducing weekly reporting time by 12 hours

CONVOY   Atlanta, GA / Seattle, WA
Data Science Intern   Aug 2022 – May 2023
- Conducted fixed-effects regression analysis in R to assess price elasticity, uncovering key pricing drivers across shippers
- Delivered data-backed pricing insights to leadership, projecting a $1M margin improvement from contract negotiations
- Created interactive dashboards using Shiny to share insights with cross-functional teams (Process Improvement, Legal, etc.)

INTUITIVE SURGICAL   Sunnyvale, CA
Operations Analytics Intern   May 2022 – Aug 2022
- Identified bottlenecks in robot-surgeon onboarding workflows using SQL, resulting in a 9% reduction in deployment time
- Designed dashboards to monitor performance for global digital solutions using Tableau for senior leadership use

WAYFAIR   Boston, MA
Pricing and Profitability Co-op   Jun 2021 – Dec 2021
- Developed Market Relative Price Indices (MRPI) using Python to assess Wayfair's market share across all product categories
- Expanded product offerings by 4.8% by identifying and addressing catalog gaps after analyzing competitor crawl data

ADDITIONAL INFORMATION

- Languages: Telugu (Native), French (Beginner), Spanish (Beginner)
- Interests: Urban planning (especially transportation), algorithmic fairness, making ceramics, woodworking, hiking