

EDUCATION

Georgia Institute of Technology

PhD in Operations Research, Industrial and Systems Engineering

- *Advisor:* Dr. Alan Erera

Atlanta, USA

Aug. 2019 – Expected 2024

Georgia Institute of Technology

MS in Operations Research, Industrial and Systems Engineering

- *Advisor:* Dr. Natasha Boland

Atlanta, USA

Aug. 2018 – Dec 2019

Indian Institute of Technology

Bachelor of Technology, Industrial and Systems Engineering

- *Advisor:* Dr. Manoj Kumar Tiwari

Kharagpur, India

Aug. 2013 – July. 2017

PUBLICATIONS

- **Ojha, R.,**Erera, A.,Boland, N.& Savelsbergh, M. (2021) Inventory-aware Long-term Equipment Planning for Service Networks. **IISE Annual Conference and Expo 2021.**
 - **1st Place Award** in the 2021 IISE Logistics and Supply Chain (LSC) Division Best Student Paper Competition
- **Ojha, R.,**Tiwari, M.K.,Ghadge, A.& Bittici, U. (2018) Bayesian Network Modelling for Supply Chain Risk Propagation. **International Journal of Production Research.**
- Ghadge, A., Dani, S., **Ojha, R.,** & Caldwell, N. (2017). Using risk sharing contracts for Supply Chain Risk Mitigation: A buyer-supplier power and dependence perspective. **Computers & Industrial Engineering**, 103, 262-270.

DRAFTS IN PROGRESS

- **Ojha, R.,** Marshall, L. & Boland, N.(2021) Iterative Time Dilation Algorithms to solve Airline Schedule Design Problem
- **Ojha, R.** & Erera, A.(2021) Dynamic Discretization Discovery Algorithm for Unrelated Parallel Machine Scheduling Problems with Release Times
- **Ojha, R.** & Erera, A.(2021) Cross-Dock Truck Scheduling Problem with Workforce Constraint in Freight Transportation
- Chu, A., **Ojha, R.** & Keskinocak, P.(2021) Optimizing Shift Schedules And Dispatch Of Safety Patrol Officers For Denver Public Schools

PRESENTATIONS

- Cross-Dock Truck Scheduling with Workforce Constraint in Freight Transportation
 - To be presented at INFORMS Annual Meeting 2021, Anaheim, CA
- Iterative Time Dilation Algorithms to solve Airline Schedule Design Problem
 - European Conference on Operational Research (EURO) 2021, Athens, Greece (virtual)
- Inventory-aware Long-term Equipment Planning for Service Networks
 - IISE Annual Conference and Expo 2021 (virtual)

HONORS AND AWARDS

- 1st Place in IISE Logistics and Supply Chain Division Best Student Paper Competition (2021)
- Phillip J. and Delores A. Scott Graduate Student Health and Wellness Award (2021)
- Stewart M. Fellowship, ISyE, Georgia Institute of Technology (2019,2020)
- Day Fellowship, ISyE, Georgia Institute of Technology (2019,2020)

CURRENT PROFESSIONAL AFFILIATIONS

- Institute for Operations Research and the Management Sciences (INFORMS)
- Institute of Industrial and Systems Engineers (IISE)

INDUSTRY EXPERIENCE

The Home Depot: Data Scientist, Atlanta, USA

Summer 2019

- Impact of Space Allocation Optimization on Product Inventory

TCG Digital: Operations Research Consultant, Kolkata, India

July 2017-July 2018

- Catering Forecasting in Airline Industry
- Demand Forecasting for Retail Chain
- Large Scale Optimization in Petrochemical Vertical

SKILLS

- **Coursework:** Linear and Discrete Optimization, Probabilistic Modeling, Regression and Time Series Modeling, Logistics and Supply Chain Optimization, Risk Management
- **Computer Programming Languages:** C++, Python
- **Softwares:** GUROBI, XPRESS, IBM ILOG CPLEX (Concert Technology, Callable Libraries)