

Rohan Devraj

314-540-3163 | rdevraj3@gatech.edu | [linkedin.com/in/rohan-devraj](https://www.linkedin.com/in/rohan-devraj) | [rdevraj3105.github.io](https://github.com/rdevraj3105) | U.S Citizen

EDUCATION

Georgia Institute of Technology | Atlanta, GA *Expected Graduation: May 2027*
B.S. in Industrial & Systems Engineering, Minor in Computer Science *GPA: 3.84*

- *Specializations:* Operations Research, Artificial Intelligence & Machine Learning
- *Relevant Coursework:* Probability, Engineering Optimization, Statistics, Data Input & Manipulation, Discrete Math, Data Structures & Algorithms, Stochastic Systems, Database Systems

EXPERIENCE

Optum Jun. 2025 – Aug. 2025
Technology Development Intern — Data & Analytics *Minneapolis, MN*

Georgia Institute of Technology | Space Systems Optimization Group Aug. 2024 – present
Undergraduate Researcher *Atlanta, GA*

- Developed and optimized a MILP Mars rover vehicle routing model in Python with Gurobi, incorporating elevation costs, routing constraints, and subtour elimination to improve solution feasibility (advised by Dr. Koki Ho)
- Led research on adaptive path planning, improving dynamic decision-making by integrating local and global routing adjustments to handle uncertainty in satellite imagery and terrain data

Carnegie Mellon Department of Statistics & Data Science Jun. 2024 – Aug. 2024
Summer Undergraduate Research Fellow | stat.cmu.edu/cmsac/sure/2024/showcase/ *Pittsburgh, PA*

- Selected as one of 18 individuals in the nation for competitive research program on statistical and data science methodologies involving data visualization and machine learning algorithms for real-world healthcare challenges (CMU Bridges to Healthcare Data Science SURE 2024)
- Developed regression and machine learning models (linear, lasso, ridge, decision trees) to analyze the impact of adult health behaviors on child mortality and low birthweight at the county level, implementing 10-fold cross-validation for model selection in R
- Conducted 10+ analyses on maternal healthcare disparities and leveraged k-means clustering to identify distinct demographic and behavioral risk groups

Georgia Tech Autonomous & Connected Transportation Laboratory Jan. 2024 – May. 2024
Undergraduate Research Assistant *Atlanta, GA*

- Developed a multi-objective optimization model in Python with Pyomo and Gurobi to improve transportation accessibility, safety, and equity across diverse zones

LEADERSHIP & ORGANIZATIONS

Georgia Tech Alumni Association Angel Network Aug. 2024 – present
Associate | gtangelnetwork.com *Atlanta, GA*

- Serve as one of 10 student associates leading Georgia Tech's first angel investment network, establishing a platform to support and fund high-potential startups from the GT ecosystem
- Lead meetings with founders and collaborate with investors to craft detailed investment memos, analyzing product, market strategy, financial performance, and growth potential
- Sourced and evaluated over 20+ startups, conducting due diligence to identify investment opportunities

180 Degrees Consulting Georgia Tech Jan. 2024 – Dec. 2024
Consultant *Atlanta, GA*

- Collaboratively developed and implemented a strategy to help the non-profit organization MedShare to provide support to Charitable Health Clinics (CHCs) of the Fulton and Dekalb counties of Georgia
- Conducted 10+ stakeholder interviews and data analysis to identify key operational bottlenecks such as lack of medical supplies and staff

SKILLS

Programming: Python, SQL, Java, R, Excel

Libraries & Modeling: Pandas, NumPy, ggplot2, dplyr, Gurobi, Pyomo, GurobiPy