

Ojas Sharma

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EDUCATION

Georgia Institute of Technology

Expected May 2025

Bachelor of Science in Industrial Engineering, Minor in Computing and Intelligence

Atlanta, GA

- **Relevant Coursework:** Data Structures & Algorithms, Machine Learning, Data Manipulation, Database Systems, Regression/Forecasting, Stochastic Systems (**Cumulative GPA:** 4.0/4.0)

EXPERIENCE

Georgia Tech Center for Health and Humanitarian Systems

January 2023 - Present

Student Research Assistant

Atlanta, GA

- Performed age-adjusted analysis from 0.2GB of data on vaccination and adverse outcome disparities among racial groups in Georgia, regionalized by both urbanization and the COVID Community Vulnerability index.
- Developing a self-service RShiny dashboard set for the Georgia Department of Public Health to answer their questions on COVID health equity in relation to race and social vulnerability category.
- Implemented decision tree and lasso regularization techniques in Python to feature select 11 out of 96 socioeconomic and health covariates, funneled into the dashboards as supplemental metrics.
- Parameter-tuning abmR agent-based models for simulating spread of COVID/Influenza strains among major cruise line passengers.

Jones Lang LaSalle

May 2023 - August 2023

Product Management Intern

Atlanta, GA

- Co-published a global pilot launch plan for HqO Experience Anywhere, a workplace experience app absorbing well-being content from the company's outdated software, drawing 2,000 active users within the first ten weeks.
- Spearheaded a three-week sprint with the engineering team for UI enhancements and bug reports.
- Created the official product requirements documentation for both a workplace frictionless access management system and an employee communications platform as extensions to app functionality.

Boston Scientific

May 2022 - August 2022

Industrial Engineer Intern

Maple Grove, MN

- Modeled a year-long capacity forecast and ideal staffing playbook of four separate peripheral intervention device manufacturing lines, triggering orders for a total of 8,200+ additional unit materials.
- Facilitated 18 hours of Kaizen events with production staff and engineers to develop improvements to the production line, increasing the net line efficiency of the site's #1 backordered product by 14% and saving \$94,000 annually.

ADDITIONAL PROJECTS

Patient Care Database and Dashboard | *SQL Server, AWS Aurora, Tableau*

January 2022 - May 2022

- Developed a database schema, stored procedures, and cloud migration to secure financial and medical information of 1,200+ patients under CiDrep SickKids Foundation.
- Generated a heatmap dashboard for stakeholders to view costs on clinical travel and lodging assistance.

COVID-19 Post-Vaccine Analysis | *pandas/NumPy, scikit-learn, seaborn*

August 2021 - November 2021

- Cleaned 200,000+ entries of public COVID-19 metrics data in the U.S. over the past 18 months.
- Visualized metrics such as average monthly inpatients and distribution/vaccination correlation.
- Used linear regression to pinpoint a 27% increase in recovery rate between the six-month periods before and after mass distribution.

EXTRACURRICULARS & LEADERSHIP

Director of Projects | *Epic Intentions Consulting Club @ GT*

June 2022 - Present

- Engaged with representatives of 32 distinct Atlanta nonprofits to coordinate semester-length project opportunities.
- Authored a handbook to advise project team leads on strategies for client communication, team organization, delivery management, and troubleshooting.

Statistics and Applications Teaching Assistant | *ISYE 3770*

January 2022 - December 2022

- Conducted office hours and regular communication with students to improve their application of probability and statistics to business issues and to the course's final analysis project.

SKILLS

Languages: English, Hindi (native), Spanish (intermediate)

Industry Skills: Data Modeling/Visualization, Statistical Analysis, Process Improvement, Agile Methodology

Programming: Python (pandas, NumPy, seaborn, scikit-learn), R (ggplot2, dplyr, plotly), VBA, MySQL, NoSQL, Java

Soft Skills: Client/Team Communication and Leadership, Project Management, Analytical Thinking, Document Writing

Tools: RStudio, Jupyter Notebook, Jira, AWS Aurora, SQL Server Developer, Tableau, Excel