

# SHUBHAM AKSHAT

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## EDUCATION

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**University of Maryland, College Park, MD, USA** 2017 - 2022 (expected)  
Ph.D. Candidate in Operations Management  
*Advisor: Dr. S. Raghavan*  
Robert H. Smith School of Business

**Indian Institute of Technology (IIT) Delhi, India** 2009 - 2013  
Bachelor of Technology, Production & Industrial Engineering

## RESEARCH INTERESTS

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Fairness and Efficiency, Healthcare Operations, Empirical Research, Structural Estimation, Applied Probability.

## RESEARCH PROJECTS

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- Does Broader Sharing Improve Patient Outcomes? An Analysis of The Share 35 Liver Allocation Policy** (with Liye Ma and S. Raghavan) [Job-market paper]
  - *Major Revision* at *Manufacturing & Service Operations Management*
  - Accepted at the 2021 MSOM Healthcare SIG Meeting
  - Accepted at the 2021 Trans-Atlantic Doctoral Conference at the London Business School
- Heterogeneous Donor Circles for Fair Liver Transplant Allocation** (with S. Raghavan and Sommer E. Gentry)
  - *Minor Revision* at *Health Care Management Science*
  - Finalist, INFORMS Public Sector Operations Research 2020 Best Paper Award
  - Honorable Mention, Best Paper Award Competition 2020, *College of Healthcare Operations Management (CHOM), POMS*
  - Work invited to the Economics of Transplantation Workshop at the Stanford University (2020)
  - Selected for presentation at the 4<sup>th</sup> MD4SG workshop in August 2020 (Acceptance rate: 29%)
- Continuous Scoring Model for Fair Liver Transplant Allocation** (with S. Raghavan)
  - Working paper

## TEACHING EXPERIENCE

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(Online) Course Instructor

- Business Statistics (BMGT 230), Undergraduate course Summer 2020
- Teaching Evaluation: **3.6/4.0**

Case Study Development

- Analytics Consulting (BMGT 434), Undergraduate course Summer 2020
- Based on the Heterogeneous Donor Circles for Fair Liver Transplant Allocation paper

Teaching Assistant

- Decision Modeling (BUSO 716), Core MBA course

Summer 2021

## AWARDS AND FELLOWSHIPS

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Abraham Golub Dissertation Proposal Prize	2021
Jacob K. Goldhaber Travel Grant	2020, 2021
International Conference Student Support Award	2021
Finalist, INFORMS Public Sector Operations Research Best Paper Award	2020
Honorable Mention, Best Paper Award Competition, College of Healthcare Operations Management (CHOM), POMS	2020
Outstanding Graduate Assistantship Award	2020
Smith School Summer Fellowship	2018, 2019 and 2020

## CONFERENCE PRESENTATIONS

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Heterogeneous Donor Circles for Fair Liver Transplant Allocation	
• POMS 2019 Conference (Washington, D.C.)	2019
• INFORMS Healthcare conference 2019 (Boston)	2019
• INFORMS 2019 Annual Meeting (Phoenix)	2019
• INFORMS 2020 Annual Meeting (Virtual)	2020
Does Broader Sharing Improve Patient Outcomes? Analysis of The Share 35 Liver Allocation Policy	
• INFORMS 2020 Annual Meeting (Virtual)	2020
• POMS 2021 Conference (Virtual)	2021
• Trans-Atlantic Doctoral Conference 2021 at the London Business School	2021
• MSOM Healthcare SIG 2021 (Virtual)	2021
• INFORMS Healthcare conference 2021 (Virtual)	2021
• INFORMS 2021 Annual Meeting (Anaheim), Scheduled	2021
Continuous Scoring Model for Fair Liver Transplant Allocation	
• INFORMS Healthcare conference 2021 (Virtual)	2021
• INFORMS 2021 Annual Meeting (Anaheim), Scheduled	2021

## WORK EXPERIENCE

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Analyst, Max Institute of Healthcare Management (ISB Hyderabad, India)	March 2015 - July 2017
Solutions Engineer, Entercoms Inc. (Pune, India)	June 2013 - March 2015

## POSITIONS OF RESPONSIBILITY

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Association for Doctoral Students, Robert H. Smith School of Business:	
• President	2020-2021
• Social Chair	2019-2020

## SOFTWARE SKILLS

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Programming Languages: Python, R, Julia  
 Solver & Software: Gurobi, Knitro

## REFERENCES

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**Dr. S. Raghavan** (Dissertation Chair)

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The Robert H. Smith School of Business & Institute for Systems Research  
University of Maryland, College Park, MD, USA  
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**Dr. Liye Ma** (Dissertation Committee Member)

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**Dr. Sommer E. Gentry** (Dissertation Committee Member)

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Department of Surgery at NYU Grossman School of Medicine  
Department of Population Health at NYU Grossman School of Medicine  
Co-Director, Center Surgical & Transplant Applied Research C-STAR  
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