

SHUBHAM AKSHAT

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EDUCATION

University of Maryland, College Park, MD, USA

2017 - 2022 (expected)

Ph.D. Candidate in Operations Management

Advisor: 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

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

RESEARCH PROJECTS

- Does Broader Sharing Improve Patient Outcomes? An Analysis of The Share 35 Liver Allocation Policy** (with Liye Ma and S. Raghavan) [Job-market paper]
 - Under review 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)
 - Submitted 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 4th MD4SG workshop in August 2020 (Acceptance rate: 29%)
- Continuous Scoring Model for Fair Liver Transplant Allocation** (with S. Raghavan)
 - Preparing for submission at *Operations Research*

TEACHING EXPERIENCE

(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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| 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

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

Association for Doctoral Students, Robert H. Smith School of Business:

- President 2020-2021
- Social Chair 2019-2020

SOFTWARE SKILLS

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

REFERENCES

Dr. S. Raghavan (Dissertation Chair)

Dean's Professor of Management Science & Operations Management

The Robert H. Smith School of Business & Institute for Systems Research

University of Maryland, College Park, MD, USA

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<https://www.terpconnect.umd.edu/~raghavan>

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Dr. Liye Ma (Dissertation Committee Member)

Associate Professor of Marketing

The Robert H. Smith School of Business

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Dr. Sommer E. Gentry (Dissertation Committee Member)

Professor, Mathematics Department

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Johns Hopkins University School of Medicine, Baltimore, MD, USA

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