Aditya Karanam

Department of Information Systems and Analytics
School of Computing
National University of Singapore

(+65) 96617679
karanam@nus.edu.sg
askaranam.github.io

Employment

National University of Singapore, Singapore.
Assistant Professor, Dept. of Information Systems and Analytics   12/2021- (present)

Indian School of Business, Hyderabad, TS, India.
Research Associate, Srini Raju Center for IT & Networked Economy   07/2014-07/2016

Indian Statistical Institute, Kolkata, India.
Research Assistant, Biomedical Imaging & Bioinformatics Lab   01/2014 – 06/2014

Indian Statistical Institute, Kolkata, India.
Summer Research Fellow, Machine Intelligence Unit   05/2013 – 07/2013

Education

The University of Texas at Austin, McCombs School of Business
Ph.D.   Information Systems   2016-2021

The University of Texas at Austin
M.S.   Economics (*Field*: Econometrics)   2020

Birla Institute of Technology & Science (BITS) - Pilani
M.Sc.(Tech.)   Information Technology   2010-2014
Thesis: Content Based Medical Image Classification

Research

Journal Publications

1. ***Aditya Karanam***, Ashish Agarwal, & Anitesh Barua. Design for Social Sharing: The Case of Mobile Apps *Forthcoming at* ***Information Systems Research*** (link)

Refereed Conference Proceedings

1. Aditya Karanam, Ashish Agarwal and Anitesh Barua (2021), "Machine Learning Based Product Design: The Case of Mobile Apps", **International Conference on Information Systems Proceedings**, Austin, Tx **(Kauffman Best Student Paper Nomination)**.

2. Aditya Karanam, Ashish Agarwal and Anitesh Barua. (2020), "Extracting Suggestion Features from Noisy User Generated Content Using BERT", **Workshop in Information Technology and Systems (Best Paper Nomination)**.

3. Aditya Karanam, Ashish Agarwal and Anitesh Barua (2018), "Designing for Visibility and Sharing: The Case of Mobile Apps", **International Conference on Information Systems Proceedings**.

Manuscripts Under Revision/Preparation

1. ***Aditya Karanam***, Deepa Mani, & Rajib Saha. Technological Relatedness to the ICT Industry and Its Impact on Innovation Performance and Competitive Intensity *Minor Revision at **Information Systems Research*** (link)

    Featured in: Forbes, ISB Insight.

2. ***Aditya Karanam***, Ashish Agarwal, & Anitesh Barua. Follow Your Hear or Listen to Users? The Case of Mobile App Design *Preparing for **Information Systems Research*** (Job Market Paper - link)

3. ***Aditya Karanam***, Deepa Mani, & Rajib Saha Comovement in Technology Partnerships *Preparing for **MISQ*** (link)

4. ***Aditya Karanam***, Ashish Agarwal, & Anitesh Barua. Extracting Suggestion Features from Noisy User Generated Content Using BERT

    Best Paper Nomination at Workshop in Information Technology and Systems , 2020

5. ***Aditya Karanam*** & Ashish Agarwal. Collusion of Deep Reinforcement Learning Algorithms in First Price Auctions

Papers in Refereed Workshops

1. Aditya Karanam, Ashish Agarwal and Anitesh Barua. (2020), "Extracting Suggestion Features from Noisy User Generated Content Using BERT", **Workshop in Information Technology and Systems (Best Paper Nomination)**.

2. Aditya Karanam, Ashish Agarwal and Anitesh Barua (2017), "Designing for Visibility: The Case of Mobile Apps", **Workshop in Information Systems and Economics**, Seoul, December 12-14.

3. Aditya Karanam, Ashish Agarwal and Anitesh Barua. (2020), "Designing New App Features: Imitate, Innovate or Follow the Crowd", **Sixteenth Symposium on Statistical Challenges in eCommerce Research**, Spain, June 18-19.

4. Aditya Karanam, Ashish Agarwal and Anitesh Barua. (2019), "Extracting Information from User Generated Content based on Named Entity Recognition Techniques", **Statistical Challenges in eCommerce Research**, Hong Kong, June 14-16.

5. Aditya Karanam, Ashish Agarwal and Anitesh Barua (2018), "Designing for Visibility: The Case of Mobile Apps", **Statistical Challenges in eCommerce Research**, Rotterdam, June 10-12.

Programming Skills

Programming Languages: Python (intermediate), C (intermediate), Java (beginner)
Econometrics: R (intermediate), STATA (intermediate), SAS (intermediate), MATLAB (beginner)
Big Data & Machine Learning: SQL, MongoDB, Hadoop, Python (Tensorflow, PyTorch, Scikit-Learn, Numpy, Pandas, etc.)

Teaching Experience

Instructor
UT Austin, McCombs School of Business

    MIS 301 Introduction to Information Management (undergraduate core course)   Fall, 2019

        Instructor Evaluation   4.7/5.0
        Nominated for the Fred Moore Teaching Excellence Award

Teaching Assistant
UT, Austin, McCombs School of Business

MSBA User Generated Content Analysis	Fall 2016, Fall 2017
MSBA Social Media & Network Analytics	Spring 2017
STA 301 Introduction to Data Science	Fall 2020

Awards & Fellowships

1.	**NUS Research Grant of 180,000 SGD (130K USD)**	2021
2.	**Kauffman Best Student Paper Nomination**	ICIS, 2021
3.	**McCombs Research Excellence Grant of 10,000 USD**	2021
4.	**Best Paper Nomination**	WITS, 2020
5.	**Nominated for Fred Moore Teaching Excellence Award**	2020
6.	**McCombs Dean's Fellowship**	2016-2020
7.	**Indian Academy of Sciences**, Summer Research Fellowship	2013

Research Talks

Invited Seminars/Conference Presentations

1.	Center for Analytics and Transformative Technologies, UT Austin, TX, US.	03/2021

Service to Profession

1. Reviewer

    (a) Management Science   Since 2019
    (b) Management Information Systems Quarterly (MISQ)   Since 2019
    (c) International Conference on Information Systems (ICIS)   Since 2020

2. Organizing and/or Chairing Sessions

    (a) 31st International Conference on Information Systems (ICIS), SFO, Cal, USA.   12/2018
        Session Chair: Social Media and Digital Collaboration