




ADITYA KARANAM

Department of Information Systems and Analytics
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EMPLOYMENT

National University of Singapore, Singapore.

Assistant Professor, Dept. of Information Systems and Analytics 10/2021- (present)

Indian School of Business, Hyderabad, TS, India.

Research Associate, Srinu 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. Designing for Visibility: 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 Comovement in Technology Partnerships *Under 2nd round review at **Management Science** ([link](#))*
2. **Aditya Karanam**, Deepa Mani, & Rajib Saha. Ties that Bind: A Network Approach to Assessing Technology Spillovers from the ICT Industry and their Impact on R&D *Preparing for 2nd round review at **Information Systems Research** ([link](#))*
Featured in: [Forbes](#), [ISB Insight](#).
3. **Aditya Karanam**, Ashish Agarwal, & Anitesh Barua. Machine Learning Based Product Design: The Case of Mobile Apps *Target: **Management Science** ([Job Market Paper - 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
<i>Nominated for the Fred Moore Teaching Excellence Award</i>	

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