

Anubrata Das

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Education

- **University of Texas at Austin** **Austin, Texas**
Ph.D. Student, School of Information *08/2018 – Present*
 - Committee: Dr. Matt Lease (*Chair*), Dr. Min Kyung Lee, Dr. Ken Fleischmann
 - Broad Research Interests: Human Computation; Human-AI Interaction; Natural Language Processing; Fairness, Accountability and Transparency
 - GPA: **3.97/4.00** (Coursework)
 - **Graduate Courses:** Information Retrieval, Natural Language Processing, Research in Computational Linguistics, Machine Learning, Human-AI Interaction, Supervised Teaching in Information Science
 - **Indian Institute of Engineering Science and Technology Shibpur** **Kolkata, India**
Bachelor of Engineering, Department of Computer Science and Technology *07/2011 – 06/2015*
 - GPA: **8.43/10.00**
 - First Class with Honors
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Publications [\[Google Scholar\]](#)

Peer Reviewed Conference

- [1] **Anubrata Das**, Brnaddon Dang and Matthew Lease. *Fast, Accurate, and Healthier: Interactive Blurring Helps Moderators Reduce Exposure to Harmful Content*. In Proceedings of the 8th AAAI Conference on Human Computation and Crowdsourcing (HCOMP), 2020. To appear
- [2] **Anubrata Das**, Samreen Anjum and Danna Gurari. *Dataset Bias: A Case Study for Visual Question Answering*. Proceedings of the Association for Information Science and Technology (ASIST), 56(1), 58-67, 2019.

Journal Articles

- [3] Michael D. Ekstrand, **Anubrata Das**, Robin Burke, Fernando Diaz. *Fairness and Discrimination in Information Access*. Foundations and Trends in Information Retrieval (To Appear) (2021).

Book Chapters

- [4] Michael D. Ekstrand, **Anubrata Das**, Robin Burke, Fernando Diaz. *Fairness in Recommendation*. Recommender Systems Handbook (To Appear) (2021).

Peer Reviewed Workshops

- [5] **Anubrata Das**, Kunjan Mehta, and Matthew Lease. *CobWeb: A Research Prototype for Exploring User Bias in Political Fact-Checking*. In ACM SIGIR Workshop on Fairness, Accountability, Confidentiality, Transparency, and Safety in Information Retrieval (FACTS-IR), 2019.

Preprints / Informal Publications

- [6] **Anubrata Das** and Matthew Lease. *A Conceptual Framework for Evaluating Fairness in Search*. Technical Report, University of Texas at Austin. arXiv preprint arXiv:1907.09328 (2019).

Undergraduate Work

- [7] **Anubrata Das**, Neeratyoy Mallik, Somprakash Bandyopadhyay, Sipra Das Bit, Jayanta Basak. *Interactive information crowdsourcing for disaster management using SMS and Twitter: A research prototype*. IEEE International Conference on Pervasive Computing and Communication Workshops (PerCom Workshops) (2016).
 - [8] **Anubrata Das**, Moumita Roy, Soumi Dutta, Saptarshi Ghosh, Asit Kumar Das. *Predicting Trends in the Twitter Social Network: A Machine Learning Approach*. International Conference on Swarm, Evolutionary, and Memetic Computing (pp. 570-581). Springer, Cham. (2014).
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Grants

- **UT Good Systems Grand Challenge** - Graduate Student Grant Proposal. **Anubrata Das**, Chenyan Jia, Shivam Garg. Supervisor: Dr. Min Kyung Lee. *Designing algorithmic nudge to reduce inadvertent COVID-19 misinformation sharing on social media*. Awarded - \$7000.
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Teaching and Mentoring

- Teaching Assistant Fall 2020
 - INF385T.3 / CS395T: Human Computation and Crowdsourcing by Dr. Matt Lease
 - Co-Supervising undergraduate research group with Dr. Matt Lease 06/2020 - Present
 - A group of ten students
 - Working on fact-checking using NLP and Human-computation methods
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Awards and Honors

- Graduate School Fellowship 08/2018 – 05/2019
 - Awarded by the Graduate School, University of Texas at Austin
 - Annual Diversity & Inclusion Best Student paper award 05/2019
 - Dataset Bias: Predicting and Understanding Implications for Visual Question Answering
 - Awarded by the School of Information, University of Texas at Austin
 - Spot Award - [Mu Sigma Inc.](#) 2016
 - Awarded by the Innovation and Development Team
 - Interactive visualization for Stock Market as a network
 - Class of 1990 Award: Excellence in Leadership 02/2014
 - Awarded by the Global Alumni Association of BESU (now [IIEST](#))
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Service

- Reviewer
 - Annual Meeting of the Association for Information Science and Technology: 2019, 2020
 - Committee
 - Doctoral Studies Committee, School of Information, 2019-2020
 - Assistant Professor Hiring Committee 2020-2021
 - Student Volunteer
 - CSCW 2019
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Academic Experience

- **Max Planck Institute of Informatics** **Saarbrücken, Germany**
Visiting Student, Databases and Information Systems Group 06/2019 – 08/2019
 - Advisor: Prof. Dr. Gerhard Weikum
 - Project: *Systematic discovery of bias: A case study on Airbnb Listings*
 - **Indian Institute of Management Calcutta** **Kolkata, India**
Visiting Student, Management Information Systems Group 10/2012 – 09/2015
 - Advisor: Dr. Somprakash Bandyopadhyay
 - Project: *Interactive crowdsourcing on social media for micro-level need assessment using for disaster management*
 - **Indian Institute of Technology Kharagpur** **West Bengal, India**
Visiting Student, Complex Networks and Research Group 05/2013 – 07/2013
 - Advisor: Dr. Saptarshi Ghosh
 - Project: *Prediction of Twitter trends using Machine Learning and Data Mining Techniques*
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Industry Experience

- **Microsoft** **Hyderabad, India**
Software Engineer *04/2018 – 07/2018*
 - Build, debug and maintain a marketing management tool for Microsoft Universal Store
 - **Microsoft** **Hyderabad, India**
Associate Consultant *11/2016 – 04/2018*
 - Develop solutions for enterprise search for a Fortune 500 oil and gas corporation
 - **Mu Sigma** **Bangalore, India**
Decision Scientist *08/2015 – 10/2016*
 - Design and build research prototypes for algorithmic trading using machine learning
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Skills

Research Methodologies: Experimental Design, User Study, Crowdsourcing, Natural Language Processing, Information Retrieval, Machine Learning, Inferential Statistics

Programming Languages: Python, R, JavaScript, SQL

Technologies: Flask, Pytorch, Scikit-Learn, NLTK, SciPy, NumPy, Keras, Weka, Git

Survey Tools: Qualtrics

Crowdsourcing: [Amazon Mechanical Turk](#), [AWS Sagemaker Ground Truth](#), [AWS Augmented AI](#)

Natural Languages: Fluent in English and Bengali, Knowledge of Hindi
