

# Anubrata Das

[anubrata.github.io](https://anubrata.github.io) • [anubrata\[at\]utexas.edu](mailto:anubrata[at]utexas.edu)  
1616 Guadalupe Street, STE - 5.202 • Austin, TX, USA, 78701

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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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## Selected Publications

[\[Google Scholar\]](#)

### Peer Reviewed Conference

- [6] **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
- [5] **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

- [4] 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

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

### Peer Reviewed Workshops

- [2] **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

- [1] **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).
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## Grants

- Graduate Student Grant Proposal - UT Good Systems Grand Challenge. **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: INF385T.3 / CS395T: Human Computation and Crowdsourcing (Fall 2020)
  - Undergraduate Research Group - Mentoring a group of undergraduate 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 2016
    - Awarded by the Innovation and Development Team, Mu Sigma
    - Interactive visualization for Stock Market as a network and for monitoring algorithmic trading
  - Class of 1990 Award: Excellence in Leadership 02/2014
    - Awarded by the Global Alumni Association of BESU (now IEST)
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## Service to the community

- **Reviewer for conferences:** ASIS&T 2019, 2020
  - **Committees:** Doctoral Studies Committee, School of Information, 2019-2020; Assistant Professor Hiring Committee 2020-2021
  - **Student Volunteer:** CSCW 2019
  - **Organizer:** FAT\* Reading Group
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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**

*Decision Scientist*

**Bangalore, India**

*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

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