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

Selected Publications [Google Scholar]

Peer Reviewed Conference

[1] **Anubrata Das**, Brnadon 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**, Samreeen 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).

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.

Teaching and Mentoring

- Teaching Assistant *Fall 2020*
  - INF385T.3 / CS395T: Human Computation and Crowdsourcing by Dr. Matt Lease
- Supervising undergraduate research group *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)

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

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*

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 Mechnaical Turk, AWS Sagemaker Ground Truth, AWS Augmented AI
Natural Languages: Fluent in English and Bengali, Knowledge of Hindi

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