Anubrata Das

anubrata.github.io • anubrata[at]utexas.edu
1616 Guadalupe Street, STE - 5.202 • Austin, TX, USA, 78701

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**   **West Bengal, 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

[6] **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

[5] **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

[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).

Grants

- **Anubrata Das**, Chenyan Jia, Shivam Garg, Min Kyung Lee. *Designing algorithmic nudge to reduce inadvertent COVID-19 misinformation sharing on social media.* UT Good Systems.

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

---

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 IIEST)

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

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

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