Anubrata Das

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Education

- **University of Texas at Austin** **Austin, Texas**
  Ph.D. Student, School of Information *08/2018 – Present*

  - Advisor: Dr. Matt Lease

  - Research Interests: Fairness, Accountability and Transparency in Information Access systems; Information Retrieval; Natural Language Processing; Human Computation

  - GPA: **3.96**/4.00 (as of Fall 2019)
  - **Courses Taken**: Information Retrieval, Natural Language Processing, Research in Computational Linguistics, Machine Learning

- **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

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

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)

Skills

Research Methodologies: Experimental Design, User Study,
   Machine Learning, Information Retrieval, Natural Language Processing
Programming Languages: Python, C++, C#, R, C, LaTeX, JavaScript, SQL, LISP
Technologies: SciPy, NumPy, Keras, TensorFlow, Pytorch, scikit-learn, NLTK, Weka, UNIX, Git
Survey Tools: MTurk, Qualtrics
Natural Languages: Fluent in English and Bengali, Knowledge of Hindi

Selected Publications

[Google Scholar]

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).

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.

3. **Anubrata Das**, Samreen Anjum and Danna Gurari. *Dataset Bias: A Case Study for Visual Question Answering.* To appear in the proceedings of ASIS&T Annual Meetings, 2019.

Services to the community

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