ANKIT AICH

Science and Engineering Labs West – Room 4029
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Education

- PhD in Computer Science – The University of Illinois at Chicago – (Transferred Spring 2020 – Present) – Advisor – **Dr. Natalie Parde** – https://natalieparde.com
- PhD in Computing and Information Sciences – Rochester Institute of Technology, NY (Fall 2018 – Fall 2019)
- B.Tech in Information Technology – West Bengal University of Technology (Fall 2014-Spring 2018)

Skills

- Python – Including Major APIs and toolkits, Tensorflow, Keras, NLTK etc, - Major Language of Choice for all research.
- Java, C++, C, Matlab.
- Front end development – HTML, CSS, Javascript.
- Shell scripting, UNIX, Git.

Publications

- **A Aich,** A Dutta, A Chakraborty, A Scaled Conjugate Gradient backpropagation algorithm for keyword extraction. Information Systems Design and Intelligent Applications, pp 674-684. 2018.
- **A Aich,** A Dutta, A Chakraborty, A Crawler-Parser Based Approach to Newspaper Scraping and Reverse Searching of Desired Articles. Information and Decision Sciences, pp 139-147. 2018

Internships / Experiences

- **Research Assistant** (Spring 2020 – Present) – Natural Language Processing Lab, University of Illinois at Chicago – Primary duties include research and working on various applied NLP projects in areas of computational social science, misinformation, and fake news.
- **Teaching Assistant** (Spring 2020) – Programming Language Design (CS 341) – University of Illinois at Chicago – Primary duties involved providing one-on-one guidance to students, help with assignment design, and grading exams.
- **Research Assistant** (Summer 2019) – Multidisciplinary Vision Research Lab – Rochester Institute of Technology – Summer research included conducting a study using an unsupervised CNN network to study features in human irises and understand human eye detection better.
- **Research Assistant** (Fall 2018) – Computational Biomedicine Lab – Rochester Institute of Technology – Research duties involved studying and optimizing human heart models using Bayesian optimisation techniques to help clinical studies.
- **Research Assistant** (Fall 2015 – Spring 2018) – St. Thomas College of Engineering and Technology – West Bengal University of Technology, India – Research duties involved carrying out research towards keyword extraction and web crawling.
- **Research Assistant Intern** (Summer 2016) – Jadavpur University, Kolkata – Internship Duties Involved working with ABB-IRB 120-and Robotstudio and RAPID to code and learn how to move and interact with Robots to follow basic human commands such as drawing shapes, following lines to drill, or following specified paths.
- **Educator Intern** (March-May – 2017) – Educator of spoken English and functional grammar on India's largest online education platform – Course has above 11,000 followers with average rating of 4.7/5.

Internal Service

- **Research Assistant Mentor –** Megan Herrera (Freshman student – at UIC)
- **Summer Internship Mentor –** Dheeraj Kondarparthi (Graduate Masters student at UIC)

External Service

- **Volunteer –** 58th Annual Meeting of the Association of Computational Linguistics – ACL – 2020.
- **Member** – Association of Computational Linguistics – ACL.