

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 - 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)
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Skills

- Python - Including major APIs and toolkits, Tensorflow, Keras, NLTK.
 - Java, C++, C, Matlab
 - Front end development - HTML, CSS, Javascript
 - Shell scripting, UNIX, Git
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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
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Internships / Experiences

- **Research Assistant** (Spring 2020 - Present) - Natural Language Processing Lab, University of Illinois at Chicago - Primary duties include research and working on various NLP projects in areas of computational social science, misinformation and applications of NLP.
- **Teaching Assistant** (Spring 2020) - Programming Language Design (CS 341) - University of Illinois at Chicago - Primary duties involved providing one-on-one guidance to students, assignment design, and grading exams.
- **Research Assistant** (Summer 2019) - Multidisciplinary Vision Research Lab - Rochester Institute of Technology - Summer research involved training a CNN which can detect features in human irises to aid human eye tracking.

- **Research Assistant** (Fall 2018) - Computational Biomedicine Lab - Rochester Institute of Technology - Research duties involved studying and optimizing human heart models using Bayesian optimisation to help in clinical studies.
 - **Research Assistant** (Fall 2015 - Spring 2018) - St. Thomas' College of Engineering and Technology - 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 industrial robots to follow basic commands such as drawing shapes, following lines to drill, or following specified paths.
 - **Educator Intern** (March 2017 - May 2017) - Educator of spoken English and functional grammar on India's largest online educational platform, Unacademy- Course has above 11,000 followers with a rating of 4.7/5.
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External Service

- **Volunteer** - 58th Annual Meeting of the Association of Computational Linguistics - ACL - 2020.
 - **Reviewer** - 16th Annual Conference of the European Chapter of the Association of Computational Linguistics - **EACL**- NLP Applications on Emergency Situations and Crisis Management.
 - **Reviewer** - The 2020 Conference on Empirical Methods in Natural Language Processing - **EMNLP** - COVID19 - workshop.
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Internal Service

- **Research Intern Mentor** - Megan Herrera (Undergraduate student at CS - UIC)
 - **Summer Internship Mentor** - Dheeraj Kondarparthi (Grad student at CS - UIC)
 - **Research Intern Mentor** - Jay Patel (Undergraduate student at CS UIC)
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Awards

- **Student Research Award** - St. Thomas College of Engineering and Technology, 2017.
 - **Student Research Award** - St. Thomas College of Engineering and Technology, 2018.
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