Ankit Aich

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🎓 Education

01/2020 – present Chicago, USA	**PhD in Computer Science,** *University of Illinois* • Research in Applied Machine learning and Natural Language Processing. • Low Resource Languages and Analysis • Misinformation, Fake News, and Generative Modelling • AI in Healthcare, Mental Healthcare, and Modelling
08/2014 – 05/2018 Kolkata, India	**B.Tech in Information Technology,** *West Bengal Univ of Technology* • Thesis - Prediction of Protein Interactions using Machine Learning • Courses - Discrete Math, Image Processing, Object Oriented Programming

📖 Publications, Presentation Venue

Are You Really Okay? A Transfer Learning-based Approach for Identification of Underlying Mental Illnesses, *NAACL*
Ankit Aich and Natalie Parde

Telling A Lie: Analyzing the Language of Information and Misinformation during Global Health Events, *LREC*
Ankit Aich and Natalie Parde

TweetTaglish: A Dataset for Investigating Tagalog-English Code-Switching, *LREC*
Megan Herrera, **Ankit Aich,** and Natalie Parde

A Scaled Conjugate Gradient Back-propagation Algorithm for Keyword Extraction, *Springer Link*
Ankit Aich, Amit Dutta, and Aruna Chakraborty

A Crawler-Parser based Approach to Newspaper Scraping and Reverse Searching of Articles, *Springer Link*
Ankit Aich, Amit Dutta, and Aruna Chakraborty

💼 Professional Experience

01/2020 – present Chicago, USA	**Research Assistant,** *University of Illinois - NLP Lab* • Research in AI in healthcare - analyzing trends in large scale health datasets • Building SOTA models to predict mental health diagnoses from social media trennds
01/2020 – 12/2021 Chicago, USA	**Teaching Assistant / Course Builder,** *University of Illinois - Department of CS* • Asst. for Object-Oriented Software Design, Programming Language Design • Created the Natural Language Processing grad + undergrad course for UIC • 1-1 guidance for Maven, SQL, Swing, JavaFX, UX Design
05/2019 – 08/2019 Rochester, USA	**Research Intern,** *Multidisciplinary Vision Research Lab* • Created a deep neural net to identify human irises and aid eye-tracking • Deployed an end to end software with UI to repair damaged cosmic images
08/2018 – 05/2019 Rochester, USA	**Research Assistant Intern,** *Rochester Inst. Of Technology* • Developed 3D modeling of human cardiograms and Bayesian optimization for models generated via Gaussian Process-based Active learning.
04/2016 – 06/2016 India	**Educator Intern,** *Unacademy* • Instructor of online course in English and Functional Lanuage • 4.7+/5 Rating with 11k enrolled in 2 months

🏅 Awards

2021	**Research Grant,** *National Institute of Health* • Grant of USD 200,000 • Awarded for research on building the first multi-modal mental health clinical dataset.
2020	**Outstanding Graduate Student - Award for Graduate Research,** *University of Illinois* • Nominated for award in graduate studies and research
2018	**Undergraduate Research Grant,** *West Bengal Univ of Technology* • Research Grant of INR 10000 for outstanding research in UX and UI

2017	**Undergraduate Research Grant,** *West Bengal Univ of Technology*
	• Research Grant of INR 10000 for outstanding research in applied machine learning

🎓 Invited Talks

2021	**How to be an Effective Graduate Teaching Assistant,** *Graduate College UIC*
2021	**How to Choose a Research Area in your PhD,** *UIC PhD Graduate College*
2022	**Balancing Graduate Life as a PhD Student,** *Graduate College, UIC*

🏛 Organisations

2020 – present	**Association for Computational Linguistics,** *Reviewer, Volunteer*
	• Reviewer for Top Tier Conferences - EACL, EMNLP
	• Volunteer at Top Tier Conferences - EMNLP, ACL
	• Responsibilities include reviewing novel scholarly work and providing support during conference presentations and proceedings.
2021 – 2022	**Graduate Student Council,** *Primary Departmental Representative for CS*
	• The primary representative for CS graduate school at UIC
	• Responsible for departmental student issues, departmental events, and student awards.
	• Voicing student concerns at the university administrative level.

🌐 Languages

- English
- Bengali
- Hindi
- Spanish

📑 Certificates

- Data Analysis and Visualzation in R
- Ethical Hacking in Linux Frameworks

🎓 Academic Service

2021 – present	**Graduate Research Advisor,** *University of Illinois, MS in CS program*
	• Academic advisor to research interns at UIC's NLP lab.
	• Advising on generative modeling, fact-checking, and adversarial networks.
	• Advisees secured finished theses and admits in reputed PhD programs.
2020 – present	**Undergraduate Academic Advisor,** *University of Illinois Dept. of CS*
	• Research advisor for undergraduate students.
	• 1-1 advising for research studies, publications, and experiments.
	• Advisees published in top tier conferences in NLP