Jishnu Ray Chowdhury   Email : jishnu.ray.c@gmail.com
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EDUCATION

- **University of Illinois at Chicago (Transferred from K-State)**   Chicago, IL
  PhD in Computer Science; CGPA: 4.00/4.00   *2019 – Now*

- **Kansas State University**   Manhattan, KS
  Computer Science; CGPA: 4.00/4.00   *2018 – 2019*

- **Calcutta Institute of Engineering and Management**   Kolkata, India
  Bachelor of Technology in Computer Science and Engineering; DGPA: 8.06/10   *2014 – 2017*

EXPERIENCE

- **Bloomberg**   New York, NY
  Data Science Research Intern   *May 2020 - August 2020 and May 2021 - August 2021*
    - **Research Intern - Machine Learning and Natural language Processing**: Question Generation and Paraphrase Generation.

- **University of Illinois Chicago**   Chicago, IL
  Research Assistant   *June 2019 - May 2020 and August 2020 - May 2021*
    - **Research Assistant - Machine Learning and Natural language Processing**: Enhancing keyphrase extraction with citation information. Disaster-related Tweet classification. Preparing Twitter Keyphrase extraction and classification dataset. Exploring keyphrase generation and potential ways to improve Transformers.

- **Kansas State University**   Manhattan, KS
  Research Assistant   *Aug 2018 - May 2019*
    - **Research Assistant - Machine Learning and Natural language Processing**: Named Entity Recognition on tweets. Keyphrase Extraction from Tweets. Proposed new evaluation method for keyphrase extraction.

- **RBIC Solutions**
  Freelance Full Stack Development   *Sep 2016 - June 2017*

PUBLICATIONS

- Jishnu Ray Chowdhury, and Cornelia Caragea "Modeling Hierarchical Structures with Continuous Recursive Neural Networks" In Proceedings of ICML 2021

- Jishnu Ray Chowdhury, Cornelia Caragea, and Doina Caragea. "Keyphrase Extraction from Disaster-related Tweets." In Proceedings of WWW 2019: https://arxiv.org/abs/1910.07897

- Jishnu Ray Chowdhury, Cornelia Caragea, and Doina Caragea. "Cross-Lingual Disaster-related Multi-label Tweet Classification with Manifold Mixup." In Proceedings of ACL SRW 2020: https://arxiv.org/abs/2001.01323

- Jishnu Ray Chowdhury, Cornelia Caragea, and Doina Caragea. "On Identifying Hashtags in Disaster Twitter Data." In Proceedings of AAAI 2020: https://arxiv.org/abs/2001.01323

PROJECTS (SEE HTTPS://JRC1995.GITHUB.IO/)

- **Conversational Bot**: Chatbot based on hybrid neural retrieval and generation mechanism with TTS on top.
- **Continuous Sparsification and Sparse Representations**: Applying network sparsification techniques for NLP tasks like Named Entity Recognition.
- **Abstractive Summarization and Translation**: Machine Translation (with Transformers) and Summarization (with Transformer, LSTM) and other experimental models
- **Reddit-like Website**: Reddit-like website with Vue, MongoDB, MariaDB, Axios, etc.
- **Question-Answering**: QA with Dynamic Memory Network and R-NET
- **Keyphrase Extraction, Extractive Summarization**: Implemented using RAKE and Text-Rank

SKILLS

- Python, Pytorch, Tensorflow, SQL, NoSQL, MongoDB, Java, JavaScript, HTML, CSS, Vue, PHP, C, C++, Octave