Utsav Das

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 github.com/dasUtsav
 linkedin/das-utsav

EDUCATION

University of Waterloo
Master of Mathematics - MMath,
Computer Science
Sept 2019 - Aug 2021 (expected)
GPA: 87/100 (3.93/4)

University of Mumbai
Bachelor of Engineering - BE,
Information Technology
Jul 2015 - Jul 2019
GPA: 8.72/10

SKILLS

Languages:
Python, C/C++, Bash

Tools and Frameworks:
PyTorch, Git, NLTK,
spaCy, Gensim, NumPy,
Pandas, Scikit-learn, LaTeX

Databases:
MongoDB, SQL

AWARDS/ACTIVITIES

International Master's Award for Excellence
Awarded for demonstrated academic excellence.

Graduate Research Studentship
Award granted for performing research at the NLP lab.

NLP Reading Club
Met with students of the university and discussed papers on the state-of-the-art in NLP topics like Style Transfer and Transformers.

06.30.2021

EXPERIENCE

Natural Language Processing (NLP) Research Lab　　April 2021 – present
Master's Thesis　　Waterloo
- Implemented graph convolutional networks with a Seq2Seq model on the SNLI dataset to incorporate syntactical information into sentence generation
- Evaluated sentence reconstruction performance with partial syntactic information from multiple sentences.

NLP Research Lab/Manulife　　Feb 2021 – April 2021
Graduate Researcher　　Waterloo
- Implemented BERT-based methods and graph convolutional networks to perform aspect-based sentiment analysis.
- Evaluated the methods on the Laptop and Restaurant Reviews datasets and the US Financial News Articles dataset.

NLP Research Lab/Manulife　　Jan 2020 - June 2020
Graduate Researcher　　Waterloo
- Evaluated different topic modelling methods for short text on the StackOverflow and Switchboard datasets.
- Delivered a modularized implementation of the methods to Manulife for use on their proprietary data.

Measuring and Mitigating Unintended Bias　　Oct 2019 - Nov 2019
Course Project
- Measured bias in hate speech detection models as a result of certain identity terms present in text.
- Implemented bias mitigation strategies such as identity term removal and data augmentation to reduce false negatives.

University of Waterloo　　Sept 2019 - August 2021
Graduate Teaching Assistant　　Waterloo
- Graded student's assignments for undergraduate computer science courses.
- Assisted with conducting midterm and final exams and general course management.

Mastek　　June 2018 - July 2018
Student Intern　　Mumbai
- Developed an information bot with Node.js, MongoDB and, Microsoft Azure's Cognitive Services to answer questions about the company's HR policies.