Utsav Das

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 github.com/dasUtsav
 LinkedIn

EDUCATION

University of Waterloo
MMath in Computer Science
Expected Grad. August 2021
GPA: 87/100 (3.93/4)

University of Mumbai
Grad. July 2019
GPA: 8.72/10

SKILLS

Languages:
Python, C/C++, Bash
Tools and Frameworks:
PyTorch, Git, NLTK,
spaCy, Gensim, NumPy,
Pandas, Scikit-learn
Databases:
MongoDB, SQL

COURSEWORK

Deep Learning and Natural
Language Processing,
Reinforcement Learning,
Privacy and Fairness in Data
Science,
AI: Law, Ethics and Policy,
Surveillance and Privacy (Audited)

TEACHING ASSISTANT

Functional Programming - CS 135,
Elementary Algorithm Design and
Data Abstraction - CS 136,
Algorithms - CS 341,
Introduction to Computer Science
2 - CS 116

06.22.2021

EXPERIENCE

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.

Mastek   June 2018 - July 2018
Student Intern   Mumbai

- Developed an information bot to answer questions about the company's HR policies.

Project Deep Blue   Oct 2017 - Feb 2018
Student Developer   Mumbai

- Participated in Season 3 of Project Deep Blue to build an automated tool that helps NGOs find prospective volunteers on Twitter.