CYBERBULLYING TEXT CLASSIFICATION USING DEEP LEARNING

Wathma Rathnayake Mudiyanselage

A dissertation submitted in partial fulfilment of the requirement for Master of Science degree in Big Data Analytics

Department of Computing

Informatics Institute of Technology, Sri Lanka
in collaboration with
Robert Gordon University, UK

2022

Abstract

Contributing to make the world a better place has always been one of my goals in life. As a researcher I explored my ways into machine learning and tried to find how I can identify harmful text content prior before releasing it to the outer world.

In this research I performed text classification on tweets shared on twitter and performed machine learning algorithms like CNN and LSTM to classify them and introduced a third-party API to get the prediction that can be integrated into any system

Key words : Text Classification, LSTM, CNN , Deep learning, Twitter

Acknowledgements