Gebregziabihier Nigusie Birhane

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Personal Statement

Lecturing at one of the Ethiopia University, graduated MSc in 2022 and conducted MSc thesis on Natural Language Processing including three conference papers. In addition to lecturing participated on community service and researches. Have team work experience and interest. Conduct researches on NLP and Computer vision using Machine Learning, Deep learning and Pre-trained models is my research interests.

Education

MSc Degree in Information Technology   **2020 - 2022**

   Bahir Dar Institute of Technology, Bahir Dar University, Bahr Dar Ethiopia

BSc Degree in Information Technology   **2015 - 2019**

   Mizan-Tepi University, Tepi, Ethiopia

High School   **2011 – 2015**

   Adi-arkay secondary and Preparatory school, Gondar, Ethiopia

Primary School   **2004 - 2011**

   Bermariam primary school, Gondar, Ethiopia

Teaching Experience

Lecturer   **2022 – present**

Assistance Lecture   **2020**

Graduate Assistance   **2019 – 2020**

Research Experience

MSc Thesis *on Lexical Complexity Detection and Simplification in Amharic Text Using Machine Learning Approach*, Bahir Dar University, Bahir Dar, Ethiopia   **2022-Presented**

Publications

Nigusie, G., Tegegne, T. (2023). Amharic Text Complexity Classification Using Supervised Machine Learning. *Artificial Intelligence and Digitalization for Sustainable Development*

(ICAST 2022). Vol 455, Pages 12-23. https://doi.org/10.1007/978-3-031-28725-1_1

Nigusie, G., & Tegegne, T.(2022). Lexical Complexity Detection and Simplification in Amharic Text Using Machine Learning Approach. *IEEE 4th Internationa Conference on ICT for Development for Africa*. Pages 1-6. doi**:** 10.1109/ICT4DA56482.2022.9971306

Conference Presentations

Amharic text complexity classification using complexity annotator tool and supervised machine learning, The 2nd PanAfrican Conference on Artificial Intelligence. Ethiopian Artificial Intelligence Institute, Addis Ababa, Ethiopia, October 2023.

Lexical Complexity Detection and Simplification in Amharic Text Using Machine Learning Approach, IEEE 4th Internationa Conference on ICT for Development for Africa. Bahir Dar University, Bahir Dar, Ethiopia, November 2022.

Amharic Text Complexity Classification using Supervised Machine Learning, 10th EAI International conference on Advancment of Science and Technology. Bahir Dar University, Bahir Dar, Ethiopia, November 2022.

Honors and Awards

Best MSc Thesis, Bahir Dar University, Bahir Dar, Ethiopia   August, 2022

Community Involvement

Community service research on ***Image -Based Mango leaf Pest Identification***

Using Deep CNN, Mizan-Tepi University, Tepi, Ethiopia   2023

Community service Project on ***Android based Covid-19 information management system,*** Mizan-Tepi University, Tepi, Ethiopia   2020

Tutorial for Low Grade Students around Mizan-Tepi University   2019

References

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