

BETHEL MELESSE TESSEMA

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EDUCATION

Masters of Artificial Intelligence

Ajou University

· Overall GPA: 3.75*/4.5

2022-Present

Suwon, South Korea

Bachelors of International Studies

Hankuk University of Foreign Studies

· Overall GPA: 3.75/4.5, President of United Students of Silk-Road University Network

2018-2022

Seoul, South Korea

Software Engineering

Addis Ababa Institute of Technology

· 3 semesters of undergraduate studies in Bachelors of Software Engineering

2015-2017

Addis Ababa, Ethiopia

TECHNICAL STRENGTHS

Programming

Java (Intermediate), Python (Intermediate)

Machine Learning

Pytorch (Intermediate), HuggingFace Transformers (Beginner)

Statistics

Hypothesis Testing, Significance Testing (Intermediate)

Typesetting Document

Latex (Intermediate)

Version Control

Git/Github (Intermediate)

App Development

Android (Beginner)

PROJECTS & OPEN SOURCE CONTRIBUTIONS

- Information Retrieval for Low-Resource Languages
 - Creating and training a BERT-like transformer Language-Model (LM) for IR for African languages.
 - Benchmarked traditional and SOTA approaches. (ongoing)
- Generalized Output Spaces for Classification Models
 - Improved cross-domain/cross-task generalization of classifiers by fusing multiple descriptions of classes/tasks.
 - Achieved SOTA zero-shot performance in multiple datasets. (ongoing)
- Open Source Contributions - Added support for more languages to “AllTrans”, an android application translator. Added extra languages to “Android-Auto-Localization”, to localize Android application’s resources.

CERTIFICATIONS & COURSES

Master’s Courses

Advanced Computer Vision, Introduction to Natural Language Processing
Information Retrieval, Advanced Topics in Machine Learning (GNN)

Certifications

KAIST - AAIT IT training course (2016), AutoCAD (2015)

LANGUAGE SKILLS

English

915/990 (Professional) in TOEIC English Reading and Listening (2021)

Korean

TOPIK Level 4, 1-year Intensive Korean Language Course (2017-2018)

AWARDS & SCHOLARSHIPS

Ajou Tuition Scholarship (2022-Present)

Conditional on > 3.5 GPA

HUFS Tuition Scholarship (2017-2022)

Conditional on > 3.0 GPA every semester

Exemplary Student Award (2017)

In Korean Language School

Other Scholarships

Korean War Memorial Foundation, Korean War and Military
Police Association, Embassy of Republic of Korea

HOBBIES, VOLUNTEERING & INTERESTS

Aspiring member of Women in AI, Black in AI; Volunteering for NGOs (Korean Saemul Undong Center, The Korea-Africa Foundation Festival, etc.); Translating/Interpreting for Korean War Veterans