

Applicant: Tewodros Tazeze

Program: Ph.D. in Computer Science

So you may understand my current goals better, I would like to explain my educational experience to this point. I grew up in Addis Ababa, Ethiopia, where I attended St Marry's University; one of the recognized universities in the capital. I studied Bachelor of Science in computer science starting from 2011 to 2015 for five years. During my study I have taken computer science as a major course and participated in a final year graduation project called "Multimodal Transport system for Ethiopian Shipping Lines". The main objective of the system is to provide an easy and scalable platform for the organization by enabling to track vessel and container information in real-time, facilitating smooth tracking starting from the port of loading to the customer premises. After five years of studies I achieved a GPA of 3.34.

Finding a career is not an easy task in my home town especially in the fields of computer science because ICT is not considered as a main domain in the development sectors and most of the companies are not properly leveraging ICT. So by the prior mentioned reason I have faced a challenge for some time and was finally hired in "Ethiopian Ministry of Communication and Information Technology" as a community ICT development professional. The main task of the job is establishing a government sponsored community ICT center for rural parts of the country where people have no access to internet and computer. The project creates job opportunities for the rural population especially for the youths and for those who have completed their higher education in the same discipline.

After more than three years of successfully contributing in my career I got the opportunity to study my master's of science in information Technology in Jain University Bangalore, India. Currently the course is already completed and waiting for the final exam result and original degree certificate. I did two researches during the study; the first research is focused on generating sentiment lexicon for the less resourced Amharic language (second most widely spoken Semitic language next to Arabic) using the very popular word embedding approach called word2vec. The research paper is presented in 3rd CIPR (<http://www.cipr.in/>) conference and is waiting for publication. The second research is aimed to construct fake news dataset for the above-mentioned low resourced language and waiting for publication. Due to the desire I have to make a vital contribution for my native language, I decided to join IIT Kharagpur in autumn 2021 to pursue my study and broaden the knowledge in the field of Machine Learning and Data Mining.

My sincerest aspiration is to become a computer scientist. Specifically, I am interested in exploring how different volumes and formats of data can be extracted and used for solving community problems by providing meaningful insight. I also want to learn about big data and Data Science. I have been exploring many different areas within the domain of artificial intelligence (such as Deep Learning, natural language processing). The bottom line is that I want to be a part of this exciting field. To that end I would like to come to IIT Kharagpur to work towards a Ph.D in computer science with an emphasis in natural language processing.

I am looking forward to attending IIT Kharagpur in the autumn 2021. I know that I can make a positive contribution to your department, and I hope that you will give me that chance. I thank you for your time in considering my application.