



Agegnehu Teshome Zerihun

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Research Interest and Experience

Multi-modal data processing, Image captioning and document understanding, Computer Vision, NLP, Low-cost AI, [Transfer, Active] deep learning

Education

- Oct 2021 – Jul 2023 **MSc., Bahir Dar University**, Ethiopia, **Artificial Intelligence and Data Science**
CGPA=3.81, Thesis=VG - Thesis title: Amharic Caption Generation From Holy Pictures Using Deep Learning
- Oct 2015- Aug 2019 **BSc., Bule Hora University**, Ethiopia, **Computer Science**
CGPA=3.78 - Project title: Mobile Assisted Maternal Health Advisor Application

Work Experience

- Sep 2024-now **Software Developer, Brana Software Solution PLC**
-Full stack developer using .NET, react and its branch's
-Project examples(Catering management, Property management, Table extraction and process...)
- Mar 2023 – now **Lecturer, Mekdela Amba University**
-Project at web based human resource management using python django, SQLite
-Project on Barcode based one card system using android, java, python django, SQLite
- Research in the area of image processing and pattern recognition
- Teaching experience: Computer science courses(eg. Database systems and programming courses
- Aug 2023 – Feb 2024 **Lecturer, Mettu University**, Mettu, Ethiopia
- Research in the area of image processing and pattern recognition
- Teaching experience: Computer science courses(eg. Database systems and programming courses
- Oct 2021 – Jun 2023 **Researcher, Bahir Dar Institute of Technology**, Computing Faculty, Bahir Dar, Ethiopia.
- Research on Image Caption Generation
- Oct 2020 – Sep 2021 **Assistant Lecturer Mettu University**, Mettu, Ethiopia
- Teaching experience: Computer science courses(eg. Database systems and programming courses
- Oct 2019 – Sep 2020 **Graduate Assistant, Mettu University**, Mettu, Ethiopia
- Teaching experience: Computer science courses(eg. Database systems and programming courses

Project

Minor project

- | | |
|--|--|
| Notepad++ using JAVA <input type="checkbox"/> | Grading System using C++ <input type="checkbox"/> |
| Banking System using C++ <input type="checkbox"/> | Hotel management system using Java <input type="checkbox"/> |
| Voting system using Java <input type="checkbox"/> | Clearance management system by using HTML, CSS, JavaScript, PHP <input type="checkbox"/> |
| OCR, Word sense disambiguation, Emotion recognition using Deep Learning algorithms | |

Major project

- Mobile Assisted Maternal Health Application, Barcode Based One Card System
- Web Based Human Resource Management System
- Image Caption Generation Application

Certificates

- Yearly Project winner certificate
- Internet of Things(IOT), Cyber Security
- volunteer service on education, health relates(3)

Teaching Experience & Interest

- Fundamentals of Programming
Fundamentals of Database systems
Advanced Database systems
Data Structure and Algorithm
Software project management

- HTML, Computer Vision, MYSQL, SQL, SQLite
PHP, Image Processing, Mobile App Development
CSS, AI, ML, DL, Python, Django
Object Oriented Programming
Advance Programming(Java)

References

1. Dereje Teferi

Assistant Professor, Head, School of Information Science
Addis Ababa University | AAU · School of Information Science
Email Address: dereje.teferi@aau.edu.et

2. Gebeyehu Belay

Associate Professor, head of Software Engineering chair
Bahir Dar University | BDU · Faculty of Informatics
Email Address: gebeyehu.belay@bdu.edu.et

3. Birhanu Hailu

Postdoctoral researcher, University of Paris-Saclay
, Paris, France, Lecturer at Bahir Dar University
Bahir Dar University | BDU Faculty of Informatics
Email Address: birhanu.hailub2022@gmail.com

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Fax: +251 58 220 58 27
Po box: 75
Website: www.bdu.edu.et
Bahir Dar - Ethiopia

BAHIR DAR UNIVERSITY

TEMPORARY CERTIFICATE OF GRADUATION

This is to certify that **AGEGNEHUTESHOME ZERIHUN** graduated from Bahir Dar University Faculty of Computing with **Masters of Degree Science in Artificial Intelligence and Data Science** on **July 19, 2023**.

The certificate of graduation has been given pending the printing and issuance of the actual diploma.





BULE HORA UNIVERSITY

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Form: BHU/004/11/19

Date: August 01/2019

UNIVERSITY REGISTRAR

TEMPORARY CERTIFICATE OF GRADUATION

This is to certify that

AGEGNEHU TESHOME ZERIHUN

Graduated from Bule Hora University from the College of

Informatics

and Obtained BSc Degree in Computer Science with

CGPA: 3.78

on **August 05/2019**

The original certificate of graduation has been given
pending the printing and issuance of the actual diploma.

We Strive for Change and Excellence

Tamiru Anole Basaye
2019

REGISTRAR



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ADDIS ABABA UNIVERSITY
College of Natural and Computational Science
School of Information Science
Addis Ababa, Ethiopia

August 11, 2023

Letter of Recommendation

I am assistant Professor at the School of Information Science in Addis Ababa University, Ethiopia. It gives me a great pleasure to recommend Alegnehu Teshome whom I have had the chance of knowing as postgraduate student in Artificial intelligence and Data Science MSc Program at Bahir Dar University when I was teaching Computer Vision and Digital image Processing Course as a guest professor. I have also supervised Alegnehu while he was conducting his research on "Amharic Caption Generation for Holy Pictures Using Deep Learning".

I observed him closely as his instructor as well as his research supervisor and found him to be highly motivated, capable and hardworking with a solid background in analytic ability and logical reasoning. He impressed me a lot with his dedication, commitment, and enthusiasm while carrying out individual and group assignments as well as conducting his research.

Alegnehu is well behaved and emotionally strong. His conduct and character has been excellent throughout my contact period. It is therefore without any reservation that I encourage you to look upon his application favorably. I am also confident that he will succeed in further studies in his area of specialization.

Sincerely,

Dereje Teferi (PhD)

Head, School of Information Science

E-mail: dereje.teferi@aau.edu.et

Addis Ababa University



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Mettu University

SCMC /Ref.No. MP/92/202
47 / Date - 27/11/2013

To Whom It May Concern:



This letter certifies that Mr.AGEGNEHU TESHOME was an employee in the role of assistant lecturer in computer science department with Mettu university during the period beginning 01/02/2012 E.C to present.

During his time with Mettu university, Mr.AGEGNEHU TESHOME has remained dedicated and loyal to his work and responsibilities with our university. He is professionally sound and hard-working whose dedication in taking contribution and initiative for the organization has proven helpful in the establishment repeatedly. He has done an exemplary job while in this role. Mr.AGEGNEHU TESHOME has always maintained a professional and courteous attitude and appearance while with our university.

We wish him good luck for his future endeavors.

Sincerely,


Teshale Ragassa Shure
Vice President, Human Resources
Director for Human Resource Management & Development



We are dedicated to serve the community!

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P.O. Box-318 Mettu, Ethiopia Fax. +251471414748 phone.0471410470
Email:Mettuniversity@meu.edu.et website: www.meu.edu.et

CERTIFICATE OF APPRECIATION



THIS CERTIFICATE IS AWARDED TO

Agegnehu Teshome Zerihun

In recognition of his excellent Effort and achievements in being an outstanding students and competent from his college in final year project entitled as "**Mobile Assisted maternal Health Advisory Application**" and winning the competition from his college.

S. T. Tadik Abas

RESEARCH AND
COMMUNITY SERVICE
COORDINATOR

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Tucha Kedir Elemo

INFORMatics COLLEGE

