



Curriculum Vitae (CV)

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NAME: GEBREAREGAWI GEBREMARIAM GIDEY

ABOUT ME

Hoping to be an expert in artificial intelligence (AI) and machine learning (ML), I have a strong interest in these fields for running new research and projects. As a young scholar, I have a strong passion for being one of the next generation leaders in these fields and for empowering communities through digital technology.

WORK EXPERIENCE

- [29/09/2015-30/09/2016] **Graduate Assistance II at Aksum University**
Responsibilities: coaching undergraduate students and conducting IT researches
- [01/10/2016-26/10/2016] **Assistant lecturer at Aksum University**
Responsibilities: coaching undergraduate students and conducting IT researches
- [27/10/2017-30/03/2019] **Researcher and post graduate student of Aksum University**
Name of unit or department: Information Technology
Responsibilities: Attending advanced IT courses, conducting researches and Coaching undergraduate students
- [02/04/2019 – Current] **Instructor and researcher of Computing Technology Faculty in Aksum University**
Tasks: Instructing undergraduate students in IT related courses, advising BSc. and MSc. students to conduct their thesis, conducting research and Engaging in problem-solving community services and technology transfer projects
- [12/13/2024 – Current] **Postgraduate Studies Coordinator at Computing Technology Faculty in Aksum University**
Tasks: Instructing undergraduate students in IT related courses, advising BSc. and MSc. students to conduct their thesis, conducting research and Engaging in problem-solving community services and technology transfer projects
- [06/12/2023 – Current] **Secretariat Department Committee (DC)**
Tasks: Deciding on Department level cases.
- [03/02/2023 – Current] **Member of the Academic Council of Aksum Institute of Technology**
Tasks: Discuss and decide on institute-level academic cases

EDUCATION AND TRAINING

- [04/12/2012 – 04/07/2015] **BSc. in Information Technology (IT) at University of Gondar**
City: Gondar | **Country:** Ethiopia | **Final grade:** 3.89/4.00
Basic Courses: Programming in C, C++, C#, .Net, Java, ASP, PHP, Python, Data Structures, Network & Data Communications, Database Management Systems, Software Engineering, Maintenance and Troubleshooting, Operating Systems, System Simulation & Modelling, etc.
- [11/11/2016 – 02/04/2019] **MSc. in Information Technology (IT) at Aksum University**
City: Axum | **Country:** Ethiopia | **Final grade:** 3.72/4.00
My focus was on Machine Learning, particularly in the fields of Artificial Intelligence and Deep Learning
- [11/11/2020 – 02/06/2025] **B.Th. in Theology at Saint Freminatos Abba Selama Theological College-Mekelle**
City: Mekelle | **Country:** Ethiopia | **Final grade:** 3.52/4.00
My focus was on Ge'ez, Church History, Christology, Philosophy
- [15/09/2019 – 03/05/2020] **Higher Diploma Program (HDP) at Aksum University**
City: Axum | **Country:** Ethiopia | **Field(s) of study:** Educational Pedagogy
Training of Teaching methodology in higher Educations
- [13/09/2024 – 03/10/2024] **ELIP at Aksum University**
City: Axum | **Country:** Ethiopia | **Field(s) of study:** English Skill Development
- [13/09/2024 – 03/10/2024] **Data Science** from **IBM** www.ibm.com
- [11/10/2024 – 17/10/2024] **Artificial Intelligence Fundamentals** from Udacity Learning Academy
- [01/09/2024 – 03/10/2024] **Python for Data Science** from IBM
- [02/12/2014 – 02/02/2015] **CISCO Networking Exploration** from **CISCO Networking Academy**

RESEARCH & PUBLICATION [Morphological Synthesizer for Ge'ez Language: Addressing Morphological Complexity and Resource Limitations](#)
 Gidey, G. G., Teklehaymanot, H. K., & Atsbha, G. M. (2024, May). Morphological Synthesizer for Ge'ez Language: Addressing Morphological Complexity and Resource Limitations. In *Proceedings of the Fifth Workshop on Resources for African Indigenous Languages@ LREC-COLING 2024* (pp. 94-106)

[Low-Resource English-Tigrinya MT: Leveraging Multilingual Models, Custom Tokenizers, and Clean Evaluation Benchmarks](#)
 Teklehaymanot, H. K., Gidey, G., & Nejdil, W. (2025). Low-Resource English-Tigrinya MT: Leveraging Multilingual Models, Custom Tokenizers, and Clean Evaluation Benchmarks. arXiv preprint arXiv:2509.20209.

[A Survey on Distributed Database System Security Approaches](#)
 Gebrearegawi Gebremariam (2020, August), A Survey on Distributed Database System Security Approaches, IJIRSET, Volume 9, Issue 8

[Framework to Adopt Cloud Computing for Educational System of Ethiopian Schools: Case Study Grades 9-12](#)
 Gebrearegawi Gebremariam and Gebregewergs Mezgebe (2020, May), Framework to Adopt Cloud Computing for Educational System of Ethiopian schools: case study Grades 9-12, (Internally published in public library of Aksum University)

[Technical Assessment and Verification of Cryptocurrency Based Fraud and Scam in Ethiopia](#)
 (a research granted by Aksum University for 2023/24 academic year)-Submitted for Publication

CONFERENCE PARTICIPATION
 [22/05/2024 – 25/05/2024] The 2024 Joint International Conference on Computational Linguistics, Language Resources and Evaluation
Place: Torino, Italia Link: <https://lrec-coling-2024.org/workshops/>

VOLUNTEER SERVICE
 [23/11/2023–02/01/2024] ✓ Delivering Training on the basic computer literacy for Axum City Administration civil servants
 [20/04/2020- 01/05/2020] ✓ Delivering Training to the participants from ICT workers of governmental sectors on the object oriented programming and Advanced SQL courses

ACADEMIC DISTINCTIONS ✓ First distinction throughout the academic career (see my academic transcripts)
 ✓ First position in school matriculation

PROJECTS HONOURED

- ✓ Student Information Management System for Gondar Poly-Technique College
- ✓ Clinic Information Management System for Beza Clinic (using the system now for the overall activities of the Clinic including Financial management)
- ✓ Student Information Management System for Aksum University: developed using JSP
- ✓ Designing Ad-hoc network using NS-2,
- ✓ Expert System for Early Diagnosing of Malaria Diseases using prolog,
- ✓ Developing cryptography Algorithm for Mobile SMS,
- ✓ Air strike game with high score using adobe flash,

RESEARCH INTERESTS Artificial Intelligence, Natural Language Processing, Machine Learning, LLM, , Neural Network, Expert Systems, Robotics, Image and Video Processing, Big data Analytics, Augmented Reality, embedded systems, Health Informatics

HONOURS & AWARDS

- [04/07/2015] Academic Gold Winner of University of Gondar from 2015 IT graduating students
- [04/07/2015] Certificate of BSc. Degree completion from University of Gondar
- [18/10/2024] Certificate of community service from Aksum University and Axum City Administration
- [18/10/2024] Certificate of HDP course completion from Aksum University
- [02/04/2019] Certificate of MSc. Degree completion from Aksum University
- [10/01/2024] Certificate of Publication and research contribution from Aksum University
- [05/07/2019] Certificate of Cyber Security course completion from CISCO
- [02/06/2015] Certificate of CCNA Exploration completion from CISCO
- [05/01/2015] Certificate of recognition from Gondar University for scoring highest grade

DIGITAL SKILLS

Programming Skills: Programming with Python, Java, HTML, PHP, VB, ASP, JSP, Node JS, Ruby, React, JS, C, C++,C#, R, XML

Computer Literacy

Very proficient computer user | Computer literacy (Microsoft Word, Excel, Powerpoint, Outlook, Latex Overleaf, Adobe Photoshop) | High knowledge in Computer-Aided Design (CATIA)

Data Analysis

Data Gathering, Data Processing, Data Visualization, Data Analysis

LANGUAGES SKILLS

| Mother Tongue: Tigrigna | | | | | |
|--------------------------------|------------------|----------------|--------------------------|---------------------------|------------|
| | Understanding | | Speaking | | Writing |
| | Listening | Reading | Spoken production | Spoken interaction | |
| Amharic | Proficient | Proficient | Proficient | Proficient | Proficient |
| English | Proficient | Proficient | Proficient | Proficient | Proficient |
| Ge'ez | Proficient | Proficient | Proficient | Proficient | Proficient |

REFERENCES

- Name: Mohammed Ahmed (PhD)**, (Director of E-learning Management Unit, Aksum University),
Phone number: (+251) 914708446 | **Email:** mohammeda128@gmail.com
- Name: Hailay Kidu** (Ph.D. Candidate in Computer Science)
Phone number: (+49) 17645174080 | **Email:** teklehaymanot@13s.de
- Name: Abrehe Niguse** (Vice-Scientific Director of Aksum Institute of Technology)
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