Ewnetu Abebe

Curriculum Vitae

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Research Interests

1. Computational methods for the study of Malaria diseases.
2. Exploring the Impact of Machine Learning Algorithms on Predictive Modeling for Agriculture.
3. Optimization and Numerical Analysis.
4. Computational Modeling and Simulation.

Education

2023 **Computational Data Science(in Data Science)**, *Addis Ababa University (AAU)*, Addis Ababa, Ethiopia, *CGPA 3.82*.
Description:MSc. in March 2023

2013 **Applied Mathematics**, *Arba Minch University (AMU)*, Arba Minch, Ethiopia, *CGPA 3.79*.
Description:BSc. in July 2013

Master thesis

Title *Earthquakes magnitude prediction using deep learning for the Horn of Africa*
Supervisors Dr.Hailemichael Kebede,Addis Ababa University, Addis Ababa, Ethiopia
Institution Addis Ababa University, Addis Ababa, Ethiopia
Submission 03/10/2023

Awards and Scholarships

○ Scholarships (I received a scholarship from Kotebe University of Education (KUE),Addis Ababa, Ethiopia so I could attend Addis Abeba University(AAU), Addis Ababa,Ethiopia and earn my MSc.)
○ Awards (Certificate at Arba Minch University(AMU),Arba Minch, Ethiopia due to tutoring undergraduate students with poor performance scores)
○ Awards (Publication certificate from the Elsevier jornal of Soil Dynamics and Earthquake Engineering.)

Publications

Earthquakes magnitude prediction using deep learning for the Horn of Africa

Teaching Experience

2017–Now	LecturerKotebe University of EducationAddis Ababa, Ethiopia
2016–2017	Mathematics Teacher German Church school Addis Ababa,Ethiopia
2015–2016	Mathematics Teacher Bahir Dar Academy Bahir Dar, Ethiopia
2013–2015	Mathematics TeacherSedie Adada High schoolGonder,Ethiopia

Participation in Academic Events

Jan.4,2023 - Jan.5,2023	**Annual Congress**, *Workshop*, Addis Ababa University (AAU). Participated as presenter in the topic of SIR model
May 8,2023 - May12,2023	**Africa Data Science(ADS)**, *Workshop*, University of Rwanda ,Kigali, Rwanda. Participated as presenter

Training and Certification

2022	CODATA RDA Research Data Science Summer Course, International Centre for Theoretical Physics (ICTP) in Triest, Italy, https://www.ictp.it/
2022	Intelligent Machine with MATLAB: DeepLearning, MachineLearning, Neural Network, and Artificial Intelligence, MathTech Thinking Foundation (MTTF) in India, https://www.mttf.in/

Programming skills

Database	○ SQL (advanced) ○ MongoDB (intermediate)	Cloud Computing	○ Apache Spark (intermediate)
Object-oriented Programming languages	○ Python (advanced) ○ R (intermediate) ○ MATLAB (intermediate) ○ FORTRAN (intermediate)	Operating System	○ Ubuntu (advanced) ○ Windows 10 (advanced)
Deep Learning Libraries	○ TensorFlow (advanced) ○ Pytorch (intermediate) ○ Keras (intermediate) ○ NumPy (advanced)	Visualization libraries	○ Matplotlib (advanced) ○ Plotly (intermediate) ○ Seaborn (advanced) ○ Pygal (intermediate)

Community Service

Feb.13,2022	I was giving LaTeX training for second-year undergraduate mathematics students at Bahir Dar University (BDU), Bahir Dar, Ethiopia.

Languages

Amharic:-	Advanced	*Native language*
English:-	Advanced	*Medium of instruction used in teaching and learning institutions*