



Yohannes Ayana Ejigu

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ABOUT ME

Yohannes Ayana | AI & Data Science

Master's degree holder in AI and Data Science with a 4.0 GPA. Passionate about Computer Vision, NLP, ML, and DL. Driven to innovate and harness AI's potential to solve real-world challenges.

WORK EXPERIENCE

10/12/2020 – CURRENT Remote, Ethiopia

FREELANCER FREELANCE

AI model development
Data Analysis and Insights
NLP and Speech recognition tasks
Computer vision vision solutions
Machine learning model deployment
AI training and workshops

28/06/2020 – 05/12/2020 Bahir Dar, Ethiopia

ELECTRICAL ENGINEER RAVAL STEEL MANUFACTURING PLC

29/10/2019 – 27/06/2020 Burie, Ethiopia

JUNIOR ELECTRICAL ENGINEER RICHLAND BIO MEDICAL PRODUCTION PLC

EDUCATION AND TRAINING

10/10/2021 – 19/07/2023 Bahir Dar, Ethiopia

MASTERS DEGREE OF SCIENCE IN ARTIFICIAL INTELLIGENCE AND DATA SCIENCE Bahir Dar University

Machine learning
Deep learning
Computer vision
Natural language processing
Statistics
Big Data

Website www.bdu.edu.et | **Field of study** Artificial Intelligence and Data Science | **Final grade** 4.0 |

Thesis End-to-end speech recognition for Amharic language using deep learning

29/09/2014 – 15/07/2019 Bahir Dar, Ethiopia

BACHELORS DEGREE OF SCIENCE IN ELECTRICAL ENGINEERING Bahir Dar University

Website www.bdu.edu.et

online, United States
MACHINE LEARNING Coursera

Website www.coursera.org

COMPUTER VISION coursera

Website www.coursera.org

BIG DATA San Diego super computer

Website www.sdsc.edu

● **LANGUAGE SKILLS**

Mother tongue(s): **AMHARIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C2	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Deep learning Architectures | AI Frameworks | GPU Acceleration | Transfer learning | Reinforcement learning | Data Augmentation | Model optimization | Speech recognition | Machine learning | Computer vision | Python ML and NLP libraries: Panda, Numpy, Scipy, Scikit-learn, Gensim, Flair, Spacy, TF Hub | Data Science: AI, ML, NLP, DL, Statistics, DM, Regression, NN, Segmentation, Classification,

● **ADDITIONAL INFORMATION**

CONFERENCES AND SEMINARS

01/05/2018 – 03/05/2018 – Kombolcha

6th Ethiopian Annual University, TIVET and Industry linkage conference With pride and enthusiasm, I represented Bahir Dar University at the prestigious conference held in the captivating Sunny Side Hotel, Kombolcha. The momentous occasion provided an exceptional platform for me to showcase our groundbreaking project, which proudly secured the title of the best internship project in all of Ethiopia. The organizers were quick to acknowledge our team's remarkable achievement by extending their heartfelt appreciation and presenting us with well-deserved incentives.

RECOMMENDATIONS

Tesfa Tegegne(Ph.D) Director for Bahir Dar University STEM Incubation Center, Associate professor of CS

He was both my instructor for research methodologies during my master's program and served as my advisor for my thesis.

Email tesfat@gmail.com | **Phone** (+251) 918762686

Birhanu Hailu(Ph.D) Postdoctoral researcher

He served as my instructor throughout my master's program, leading courses in machine learning and deep learning. Moreover, he fulfilled the role of my mentor, providing valuable guidance and support both in advising me on my academic endeavors and assisting the class. He also serving as my internal examiner during the evaluation of my thesis

Email birhanu.hailub@gmail.com

HONOURS AND AWARDS

17/03/2019

Winning best internship project of the year – Bahir Dar University

25/10/2018

Winning best project of the year – Bahir Dar University, Faculty of Electrical and computer Engineering

29/06/2018

Recognition letter for Industrial automation – Tsehay paints factory

COMMUNICATION AND INTERPERSONAL SKILLS

Effective Team Collaboration

Clear and Concise Verbal Communication

Active Listening and Empathy, understanding diverse perspectives for collaborative problem-solving

Adaptability in cross-disciplinary settings, communicating effectively with professionals from various domains

CREATIVE WORKS

End-to-end speech recognition model for Amharic language using deep learning

Applying noisy reduction techniques to build a robust speech to text model with noisy data of Amharic language

Developing a customized Hybrid Architecture (CNN, RNN, CTC) model for Amharic speech to text model

PROJECTS

Real time emotion detection using YOLO

Amharic news classification using deep learning

Multiple diseases prediction using ML algorithms

Spelling checker and corrector for Amharic language

Speech recognition for Amharic language with noisy, noisy free and combined data

Breast cancer detection using ML and DL algorithms

Document classification of supervised data using DL

VOLUNTEERING

15/10/2022 – CURRENT Bahir Dar

AI training and workshops As part of my community service, I have conducted training sessions and workshops on Artificial Intelligence (AI) at the Bahir Dar STEM center.

HOBBIES AND INTERESTS

reading

swimming

Language learning