



## Curriculum Vitae /CV

### Personal details

Full Name	Mequantent Erkie Ayele
Phone number	+251 930974987
Email address	personal :- <a href="mailto:mekueer@gmail.com">mekueer@gmail.com</a> Institutional :- <a href="mailto:mequaninte@mtu.edu.et">mequaninte@mtu.edu.et</a>
Date of birth	January, 07/1994 G.C.
Sex	Male
Nationality	Ethiopian

### Educational Background

BSc degree program	Master's Degree program
✓ Educational status.....BSc	❖ Educational status.....MSc
✓ Department... Computer Engineering	❖ Department... Computer Engineering
✓ Date degree awarded.....June 17, 2017 G.C	❖ Date degree awarded...October, 2020 G.C
✓ CGPA..... <b>3.63 out of 4.00</b>	❖ CGPA..... <b>3.84 out of 4.00</b>
✓ BSc final year project result..... 'A' with Title: Implementation of Bluetooth controlled robot using Android cell phone	❖ Thesis result ..... <b>very good</b> with Title: Amharic alphabet Sign Language recognition Using Hybrid feature extraction
✓ Graduate program.....regular	❖ Graduate program....regular
✓ University .....Bahir Dar University	❖ University.....Bahir Dar University

### Language skill

Language	Reading	Speaking	Writing	Listening
✓ Amharic	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent
✓ English	✓ Excellent	✓ Excellent	✓ Excellent	✓ Excellent

### Work experience

Work place	Work type	Experience
✓ Mizan -Tepi University	✓ Lecturer and Researcher	✓ More than 5 years
✓ <b>Relevant Coursework:</b>	Database Systems, Network Security, Computer Networks, Web Development, Operating Systems, Data Structures, Algorithms, Database Management Systems, Artificial Intelligence and Programming Languages.	

## Technical skill

### **Artificial Intelligence (AI):**

- ✓ Machine Learning (Supervised & Unsupervised Learning)
- ✓ Deep Learning (Neural Networks, CNN, RNN)
- ✓ AI Frameworks & Libraries: TensorFlow, Keras, PyTorch, Scikit-Learn
- ✓ AI Model Deployment and Optimization
- ✓ Data Preprocessing and Feature Engineering
- ✓ Model Evaluation and Hyperparameter Tuning

### **Database Administration:**

- ✓ Database Design and Optimization
- ✓ SQL & NoSQL Databases (MySQL, MongoDB)
- ✓ Database Performance Tuning and Troubleshooting
- ✓ Data Backup, Recovery and Security

### **Networking:**

- ✓ Network Configuration and Troubleshooting
- ✓ TCP/IP, DNS, DHCP
- ✓ Routing & Switching Protocols (OSPF, BGP)
- ✓ Network Security (Firewall Configuration, VPN Setup, Intrusion Detection)

### **Full Stack Development:**

- ✓ **Front-end:** HTML, CSS, JavaScript, React.js, Vue.js, TailwindCSS
- ✓ **Back-end:** Node.js, Express.js, Laravel, Golang
- ✓ **Database:** MySQL, MongoDB
- ✓ **Version Control:** Git, GitHub, GitLab
- ✓ **Other Tools:** Docker, Kubernetes
- ✓ **API Development:** RESTful

## **Additional Information**

**Interests:** Software Development, Network Security, Cloud Computing, AI

## Professional behavior

- ❖ Honesty worker and sociable
- ❖ Believe in team work
- ❖ Respect to others.

- ❖ Treating clients equally
- ❖ Have very good initiation to work
- ❖ Have ability to solve problems & to handle complex works

## Reference:

1. Mebratu Sintie email: [mastic712@gmail.com](mailto:mastic712@gmail.com)
2. Teferi Teka email: [teferi.teka31@gmail.com](mailto:teferi.teka31@gmail.com)



ኢትዮጵያ ፌዴራል ዲሞክራሲያዊ ሪፐብሊክ  
Federal Democratic Republic of Ethiopia  
የኢትዮጵያ አስተዳደር ክልል መንግሥት  
ትምህር ባሪ  
Amhara National Regional State  
Education Bureau



## የመጀመሪያ ደረጃ ትምህር ማጠናቀቸው የሰነድ ወረቀት Primary School Leaving Certificate

ቦታ ተርጉሜ ለመጀመሪያ ገጽ \_\_\_\_\_ ዓ.ም. \_\_\_\_\_  
ቦግታው ተርጉሜ ለመጀመሪያ ገጽ \_\_\_\_\_ ዓ.ም. \_\_\_\_\_  
የቁጥር \_\_\_\_\_

Day program for the 1<sup>st</sup> time \_\_\_\_\_, 2<sup>nd</sup> time \_\_\_\_\_.  
Night program for the 1<sup>st</sup> time \_\_\_\_\_, 2<sup>nd</sup> time \_\_\_\_\_.  
Private \_\_\_\_\_.

ስም \_\_\_\_\_ ደርጅ ገዢ  
ዕድሜ \_\_\_\_\_ ኔዑስ ወተ \_\_\_\_\_  
የተስተካከለ መለያ ቁጥር \_\_\_\_\_  
በመጀመሪያ ደረጃ ትምህር ማጠናቀቸው ላተ  
መስፈርት 71 % እማካይ ወጪት \_\_\_\_\_ 97.5 ተርጉሜ  
በማማሪት ወደ ኮሚሽን ክፍል \_\_\_\_\_

Name \_\_\_\_\_ Mecuannent ERKIE Ayle  
Age 14 Sex m Reg. No. 707109  
at Kimir Dengar school in  
South Condor Zone took the  
primary school leaving certificate examination in  
2011 E.C. and scored an average mark of 71 %,  
97.5 percentile. He/She is \_\_\_\_\_ to  
Grade Nine.

የተሸጠው ዘርዝር  
Girma Dagnew Tefera  
የዘመና ትምህር መግባሪ ገዢ  
Zone Education Department Head



የዘመና ትምህር መግባሪ ገዢ  
Zone Examination Section Head

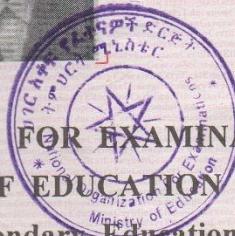
\*ማስታወሻ:- ይህ የሰነድ ወረቀት ስር ያልተ ወደም ፍት ክተማው መያዥ  
ይችላቁ ነተና አያዝነዋም ::  
- በቁጥር በማግኘት መያዥ በቁጥር ወተ የተሸጠው ለመሆኑ የ«X» የልከት  
ይደረግ ::

Note: - Erasers, alterations or absence of the photo invalidates this certificate  
- Put «X» to indicate whether the candidate is day or night or private

የዘመና ትምህር መግባሪ ገዢ



0128059



NATIONAL ORGANIZATION FOR EXAMINATIONS (NOE)  
MINISTRY OF EDUCATION

The Ethiopian General Secondary Education Certificate

MEQUANENT ERKIE AYELE

This is to certify that \_\_\_\_\_

has taken 9 (NINE) subject(s) in the 2010(2002 E.C.)

Examination session and has earned the following grade(s) in 9 (NINE) subject(s).

Amharic	A	English	B
Mathematics	B	Physics	C
Chemistry	A	Biology	B
Civics	A	Geography	B
History	C	-----	-

By virtue of which, this certificate is awarded, with \_\_\_\_\_

Araya G/Egziabher Mehari

Manager, NOE



Abera Diriba Gemechu  
Head, Examination Development & Administration Department

Distinction \_\_\_\_\_ 4 A's

Great Distinction \_\_\_\_\_ 5 A's

Very Great Distinction \_\_\_\_\_ 6 A's and above

This certificate is invalid unless  
it bears the NOE's seal on the  
photograph of the candidate.

No 3240618

736044



2221241412



MINISTRY OF EDUCATION-ETHIOPIA  
NATIONAL EDUCATIONAL ASSESSMENT AND EXAMINATIONS  
AGENCY (NEAEA)  
University Entrance Examination Certificate

MEQUANENT ERKIE AYELE

This is to certify that \_\_\_\_\_  
has taken 7 (SEVEN) subject(s) in the 2012(2004 E.C.)  
Examination session and has earned the following score (s) in 7 (SEVEN) subject(s).

English	48
Maths(Natural)	38
Aptitude	47
Physics	62
Chemistry	74
Biology	79
Civic & Ethical Edu.	69

TOTAL 417

Araya G/Egziabher Mehari

DIRECTOR GENERAL



Abera Diriba Gemechu  
Head of Registration, Marking & Computation Dept.

JULY 2012(HAMLE 2004 E.C.)

This certificate is invalid unless  
it bears the NEAEA seal on the  
Photograph of the candidate.

No. 601800

B.S.S.P.E

CV

## BAHIR DAR UNIVERSITY

Award Date: Jun 20, 2017

## STUDENT ACADEMIC RECORD

Department: Computer Engineering

First Name: Mequanent Father Name: Erkie G.Father Name: Ayele Sex: M Birth Date: Jan 07, 1994 Medium of Instruction: English  
 ID Number: BDU0503292UR From: Kimir Dingay Test Date: Jun 04, 2012 Admission: Regular/Degree

Course No.	Course Title	Credit	Grade	GPts.
<b>Semester:1 AcYear:2012/2013 Year: 1</b>				
Geng 1011	Introduction to Engineering Skills	2	A-	7.5
Cvet 1021	Introduction to Civics and Ethical Education	3	A+	12
Math 1041	Applied Mathematics I	6	A+	24
Ceng 1061	Engineering Mechanics I	5	B	15
Meng 1015	Engineering Drawing	4	B+	14
Flen 1021	Sophomer English	3	B	9
Econ 1021	Introduction to Economics	3	B	9
Phil 1011	Reasoning Skills (Logic)	3	A-	11.25
		<b>Semester Average: 3.51</b>	<b>29</b>	<b>101.75</b>
<b>Semester:2 AcYear:2012/2013 Year: 1</b>				
CoEg1071	Fundamentals of Electrical Engineering	5	B	15
CoEg1171	Fundamentals of Programming	6	A+	24
CoEg1033	Computer Workshop Practice	3	A+	12
Math1052	Applied Mathematics II	6	A+	24
MEng1042	Engineering Mechanics II(Dynamics)	5	B	15
Flen1022	Technical Report Writing	5	A-	18.75
		<b>Semester Average: 3.63</b>	<b>30</b>	<b>108.75</b>
		<b>Cumulative Average: 3.57</b>	<b>59</b>	<b>210.50</b>
<b>Semester:1 AcYear:2013/2014 Year: 2</b>				
CoEg2101	Digital Logic Design	5	A	20
CoEg2081	Applied Electronics I	5	A+	20
CoEg2172	Computational Methods	5	A-	18.75
Math2061	Applied Mathematics III	6	A	24
CoEg2201	Computer Network I	5	A	20
Math2111	Discrete Mathematics	5	A+	20
		<b>Semester Average: 3.96</b>	<b>31</b>	<b>122.75</b>
		<b>Cumulative Average: 3.7</b>	<b>90</b>	<b>333.25</b>
<b>Semester:2 AcYear:2013/2014 Year: 2</b>				
CoEg2082	Applied Electronics II	5	A-	18.75
CoEg2102	Computer Architecture and Organization	6	B	18
CoEg2191	Data Structure	5	A	20
CoEg2202	Computer Network II	5	A-	18.75
CoEg2091	Signals and Systems Analysis	5	B+	17.5
CoEg2181	Object Oriented Programming	5	A-	18.75
		<b>Semester Average: 3.6</b>	<b>31</b>	<b>111.75</b>
		<b>Cumulative Average: 3.68</b>	<b>121</b>	<b>445.00</b>

Student Copy

Course No.	Course Title	Credit	Grade	GPts.
<b>Semester:1 AcYear:2014/2015 Year: 3</b>				
CoEg3091	Network Analysis and Synthesis	5	B+	17.5
Stat3251	Probability and Statistics	5	B	15
CoEg3121	Microprocessors and Interfacing	5	B	15
CoEg3191	Design and Analysis of Algorithms	5	A	20
CoEg3193	Database Management Systems	5	A	20
CoEg3221	Operating Systems	5	A+	20
		<b>Semester Average: 3.58</b>	<b>30</b>	<b>107.50</b>
		<b>Cumulative Average: 3.66</b>	<b>151</b>	<b>552.50</b>
<b>Semester:2 AcYear:2014/2015 Year: 3</b>				
CoEg3152	Communication Systems	5	B+	17.5
CoEg3162	Electrical Materials and Technologies	5	A+	20
CoEg3252	Computer Simulation and Modeling	5	A+	20
CoEg3262	Artificial Intellegence	5	A-	18.75
CoEg3153	Introduction to Instrumentation and Control	5	A	20
CoEg3222	Engineering System Programming	5	A-	18.75
		<b>Semester Average: 3.83</b>	<b>30</b>	<b>115.00</b>
		<b>Cumulative Average: 3.69</b>	<b>181</b>	<b>667.50</b>
<b>Semester:1 AcYear:2015/2016 Year: 4</b>				
CoEg3283	Holistic Exam	2	C+	5
CoEg4283	Industry Internship	30	A+	120
		<b>Semester Average: 3.91</b>	<b>32</b>	<b>125.00</b>
		<b>Cumulative Average: 3.72</b>	<b>213</b>	<b>792.50</b>
<b>Semester:2 AcYear:2015/2016 Year: 4</b>				
CoEg4131	VLSI Design	5	A	20
CoEg4261	Introduction to Robotics and Industrial Automation	5	A-	18.75
CoEg4211	Wireless and Mobile Communications	5	A-	18.75
CoEg4151	Digital Control Systems	5	B+	17.5
CoEg4141	Digital Signal Processing I	5	B	15
CoEg4231	Software Engineering	5	C+	12.5
		<b>Semester Average: 3.42</b>	<b>30</b>	<b>102.50</b>
		<b>Cumulative Average: 3.68</b>	<b>243</b>	<b>895.00</b>

Grading System: A+=Excellent, A=Excellent, A-=Excellent, B+=Very Good, B=Very Good, B-=Good, C+=Good, C=Satisfactory, C-=Unsatisfactory, D=Very Poor, Fx=Fail, F=Fail, P=Pass, FL=Fail, \*\*=On Progress, P=Pass, FL=Fail, \*=Repeated Course, A+=4, A=4, A-=3.75, B+=3.5, B=3, B-=2.75, C+=2.5, C=2, C-=1.75, D=1, Fx=0, F=0, NB: One Class hour, or 2-3 Laboratory Hours, per week for 16 weeks=one Term hour or credit. NaN=Not Applicable.

THE TRANSCRIPT IS OFFICIAL ONLY WHEN SIGNED AND SEALED BY THE REGISTRAR

Date of issue: \_\_\_\_\_

Registrar: \_\_\_\_\_

22 JAN 2025

## BAHIR DAR UNIVERSITY

Award Date: Jun 20, 2017

## STUDENT ACADEMIC RECORD

Department: Computer Engineering

First Name: Mequantent Father Name: Erkie G.Father Name: Ayele Sex: M Birth Date: Jan 07, 1994 Medium of Instruction: English  
 ID Number: BDU0503292UR From: Kimir Dingay Test Date: Jun 04, 2012 Admission: Regular/Degree

Course No.	Course Title	Credit	Grade	GPts.
<b>Semester:1 AcYear:2016/2017 Year: 5</b>				
CoEg5291	Semester Project	7	A	28
CoEg5293	Research Methods and Presentation	3	A	12
CoEg5241	Internet Engineering	5	A-	18.75
CoEg5131	Embedded Systems	5	C	10
CoEg5141	Digital Signal Processing II	5	B+	17.5
CoEg5231	Compiler Design	5	B+	17.5
Semester Average: 3.46		30		103.75
Cumulative Average: 3.66		273		998.75
<b>Semester:2 AcYear:2016/2017 Year: 5</b>				
CoEg5292	BSc. Project	7	A	28
IEng5283	Enterpreneurship	3	A+	12
IEng5282	Industrial Management and Engineering Economics	5	C+	12.5
CoEg5272	Electromagnetic Fields and Waves	5	B-	15
CoEg5242	Multimedia and Computer Graphics	5	A-	18.75
CoEg5302	Introduction to Distributed System	5	B-	13.75
Semester Average: 3.33		30		100.00
Cumulative Average: 3.63		303		1098.7

Student Copy

Graduation Approved

Graduation Approved

22 JAN 2025

Grading System: A+=Excellent, A=Excellent, A-=Excellent, B+=Very Good, B=Very Good, B-=Good, C+=Good, C=Satisfactory, C-=Unsatisfactory, D=Very Poor, Fx=Fail, F=Fail, P=Pass, FL=Fail, \*\*=On Progress, P=Pass, FL=Fail, \*=Repeated Course, A+=4, A=4, A-=3.75, B+=3.5, B=3, B-=2.75, C+=2.5, C=2, C-=1.75, D=1, Fx=0, F=0,

NB: One Class hour, or 2-3 Laboratory Hours, per week for 16 weeks=one Term hour or credit. NaN=Not Applicable.

THE TRANSCRIPT IS OFFICIAL ONLY WHEN SIGNED AND SEALED BY THE REGISTRAR

Date of issue: \_\_\_\_\_

Registrar: \_\_\_\_\_



# **GÖTEBORG UNIVERSITY**



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The Senate of Bahir Dar University by virtue of the power vested in it by the Higher Education Proclamation No. 1152/2019 hereby grants to:

የኢትዮጵያ የፌዴራል

ՈՒՂԴՏՔՆ ՊՐԵՆԱՀԾ

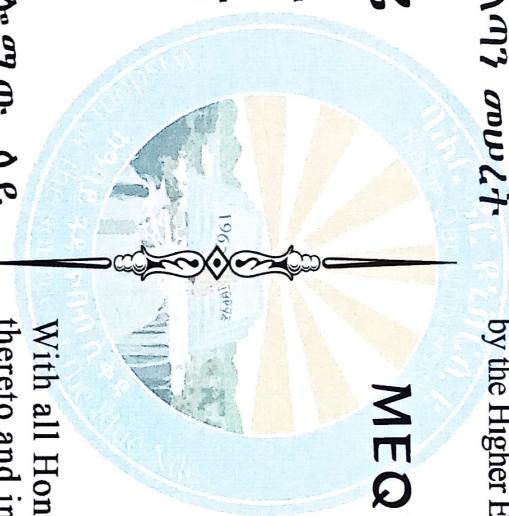
հօս-Ն ի Ռ : Պ Գ Պ Ե Ջ Ա Հ Ա

λαζανական հրա

ה ת י א ::  
ל י ר ז ה ז ל ע א ת א ו א ו א ז  
ר ק נ ה ס ה . ת א . ז

ԸՆ ՀԱՅ ՓՈ ՔՐԵ ԶԻՄՆԵՐՆ ԵՒԹԵՆ:

June 20, 2017



# Bachelor of Science in Computer Engineering

With all Honours, Privileges and Obligations pertaining thereto and in witness thereof has authorized the issuance of this diploma duly signed and sealed. Issued in Bahir Dar on:

WILLIAM HENRY  
President of the University

Registrar of the University

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*BDU*



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Date: 2017



Bahir Dar University Registrar and  
Alumni Management Directorate  
Tel: +25158 220 59 34  
Fax: +25158 220 59 27  
Po box: 79  
Website: [www.bdu.edu.et](http://www.bdu.edu.et)  
Bahir Dar - Ethiopia

## BAHIR DAR UNIVERSITY

### TEMPORARY CERTIFICATE OF GRADUATION

This is to certify that **MEQUANENT ERKIE AYELE** has graduated from Bahir Dar University Faculty of Electrical and Computer Engineering with **BSc in Computer Engineering** on June 20, 2017 with a Cumulative GPA of 3.63.

The Original Diploma and Transcript will be issued upon the discharge of cost sharing duty.



*[Signature]*  
Dean/Director

*[Signature]*  
Faculty of Electrical and Computer Engineering

நிலங்கு பெங்கட் குமரி  
ஏம்.பி.எஸ்.ஓ.எஃப்.  
ஈடி: +25158 220 59 34  
ஈடி: +25158 220 59 27  
த.ல.ா. # 79  
ஸ்டா.பி. வே: [www.iitdu.edu.in](http://www.iitdu.edu.in)  
ஒ.ஏ.ஏ. - [nilesh\\_k@iitdu.ac.in](mailto:nilesh_k@iitdu.ac.in)



BAHIR DAR UNIVERSITY

TEMPORARY CERTIFICATE OF GRADUATION



*This is to certify that MEQUANENT ERKIE AYELE graduated from Bahir Dar University  
FACULTY OF ELECTRICAL AND COMPUTER ENGINEERING with Master of Science  
Degree in Computer Engineering on October 22, 2020.*

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

Teketay Mulu Beza (PhD)

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F.D.R.E MINISTRY OF SCIENCE AND HIGHER EDUCATION

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የTC ሚኒስቴር

MIZAN-TEPI UNIVERSITY HUM/RES / DEV/ & MGT Team

No.

ማ. ቀን - ቀ.ቁ. የኩላፊነት የዕቅድ ሰው በብን እስተዳደር ሲሆን እስራሱ ቀን

Date

18/10/17

110/2347/17

## TO WHOM IT MY CONCERN

### SUBJECT: WORK EXPERIENCE

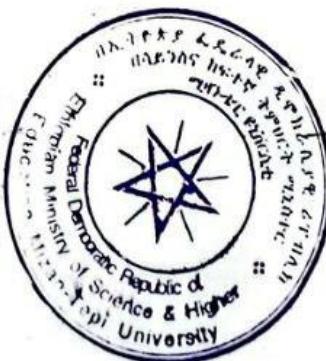
**Mr. Mequanent Erkie Ayele** An academic staff of Mizan-Tepi University, requested us to get his official letter that testifies his work experiences in this University. Accordingly, the following points would briefly describe the applicant's work experiences here in Mizan-Tepi University.

#### Date of Employment

Academic Rank Lecturer

- From Nov 19/ 2010 E.C ----Sep 23/2011 E.C Assistant Lecturer.
- From Sep 24/ 2011 E.C----- Oct 11/ 2013 study leave
- From Oct 12/2013 E.C----- Up to Date Lecturer
- Served: In College of Engineering & Technology, Department of Electrical & Computer Engineering
- Current Monthly Salary: 13998.00 (Thirteen Thousand Nine Hundred Ninety-Eight Birr)
- Income tax has been deducted
- Total Service: 5 Year 6 Months and 10 days.

Besides, **Mr. Mequanent Erkie Ayele** was serving the University honestly and enthusiastically with an excellent relationship with the staff members. Therefore, I request all the valuable concerned bodies to cooperate and assist the employee. We appreciate your assistance in advance.



With best regards

Getachew Fentaw Assefa  
for 11/10/2017  
አዲስአበባ