CURRICULUM VITAE

1. Personal Information

- **Name:-** Shimels Derso Kebede   **Sex:-** Male
- **Date of Birth:-** *06/12/1988 E.C**
- **Region :-** Amhara National Region   **Nationality:-** Ethiopian
- **Marital Status:-** Single   **Address:-** Dessie, Amhara, Ethiopia
- **Contact:-** **Mobile:** 0940219818   **Blog**: advancedjavatuts.epizy.com/founder
- **Email:** shime4d@gmail.com   **LinkedIn:** linkedin.com/in/shimels-derso-kebede/
- **ORID:** https://orcid.org/0000-0001-5416-616X
- **Website:** https://shimelsD.github.io

2. Educational Background

Name of institution	Academic Year	Grade Level(Duration of stay)	Field of study	Certification
University of Gondar	2013 -2014 E.C*	MPH	MPH in public Health Informatics	MPH Degree
University of Gondar	2008-2011 E.C*	BSc (for 4 yrs)	Health Informatics/Health Information Technology	BSc Degree
Kobo general & preparatory secondary School	2006-2007 E.C*	11 & 12 (for 2 yrs)	Natural Science	Certificate

*Ethiopian Calendar (E.C) is 8 years back/late from the gorgonian calendar. These dates are in E.C.

3. Language

Language	Speak	Read	Write
Amharic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent

4. Qualification and Education

Date	Award	Reason	Awarded By
November 2017	Certificate of Recognition	For Excellent achievement in the 2015/16 academic year at University of Gondar	University of Gondar
July 2019	Graduation award	A student who Stood first and graduated with very great distinction(CGPA 3.91) out of the 2019 class of graduates of Health Informatics department at University of Gondar.	University of Gondar
July 2019	Temporary Certificate for BSc Degree in Health Informatics	Graduated at University of Gondar in Health Informatics with BSc Degree.	University of Gondar

5. Major courses

As health informatics professional, I have studied public health courses and some clinical courses. In addition to that, I have also studied computer science courses and programming languages. Some of the major courses I have mastered are:-

- o Programming with C++, java
- o Database management
- o Object-oriented system analysis and design (OOSAD)
- o Information Retrieval (IR)
- o Computer Networking and Security
- o Computer Maintenance and Troubleshooting
- o Internet/web Programing
- o Telemedicine
- o Health Management information system
- o GIS and Disease Mapping
- o Monitoring and Evaluation
- o Mobile Health
- o Health system project Management
- o Biostatistics and Epidemiology

6. Experiences and skills

When I was studying my undergraduate in Gondar University I have gained vast experience. I have been involved in different responsibility positions and experienced something which I will list as follows.

- o Team leader, System analyst, designer and Java programmer in final year project named" Standalone Dental clinic information system".
- o Developed a functional system with java named "DCIS" and evaluated by evaluators and Health Informatics staff as the best system of the year at my final year project defence.

- Operating system and other Software installation and maintenance private business during my study years in the university.
- Biology and ICT Lecturer during my summertime in voluntary services.
- Designed and developed different web-based systems with Php(hypertext preprocessor)
- Microsoft Office package(MS Word, MS PowerPoint, MS Excel …)
- Basic computer troubleshooting
- SQL server management
- ArcGIS software
- Java technologies(JDBC, Swing/AWT,Hibernate,JSP and Servlet)
- Android technology
- Web designing and development(HTML,CSS,JS,XML,Php and Bootstrap Framework)
- Network configuration and sub-netting.
- Data management and analysis
- Statistical software(IBM SPSS) skill
- Structural equation modelling (SEM) using R, Python and SPSS AMOS
- Machine learning and data mining using Python, R and WEKA software
- Graphic and Video Editing skill
- Working with a team with high team spirit
- Good communication skill

And after graduation I have been working as Graduate Assistant-II in the College of medicine and health science, Health Informatics department, Wollo University. During my carrier there, I have taught Health informatics for nursing, midwifery and environmental health undergraduate students. I have also taught Object-oriented programming with java for health informatics students. I have also assisted health informatics students with their final year research and graduation projects.

Since 2013 E.C I am studying public health informatics at the University of Gondar. During my studies, I am getting advanced knowledge and skill on public health practices, principles and advancing my research skill in the public health domain and different emerging health technologies.

7. Online certifications

Course Name	Issuer	Platform	Link
Introduction to Structured Query Language (SQL)	University of Michigan	Coursera	coursera.org/verify/ZY5MXQ27MKER
What is Data Science?	IBM	Coursera	coursera.org/verify/TEM5YHKU6F7U
Fundamentals of Machine Learning for Healthcare	STANFORD UNIVERSITY	Coursera	coursera.org/verify/M4D ZZN7D XD7A
The Economics of Health Care Delivery	University of Pennsylvania	Coursera	coursera.org/verify/TSCA7FU36CZE
Data Science Orientation	IBM	Coursera	https://www.credly.com/badges/0b0d848b-5fd4-460f-9d53-43198179267c?source=linked_in_profile
Logistic Regression in R for Public Health	Imperial College London	Coursera	coursera.org/account/accomplishments/verify/MXSMDK4LPKRX

8. Publications

1. Kebede, S.D., Sebastian, Y., Yeneneh, A. *et al.* Prediction of contraceptive discontinuation among reproductive-age women in Ethiopia using Ethiopian Demographic and Health Survey 2016 Dataset: A Machine Learning Approach. *BMC Med Inform Decis Mak* **23**, 9 (2023). https://doi.org/10.1186/s12911-023-02102-w
2. Walle AD, Shibabaw AA, Atinafu WT, Adem JB, Demesash AW, Baykemagn ND, Kebede SD, Ferede TA, Tegegne MD, Wubante SM. Readiness to use electronic medical record systems and its associated factors among health care professionals in Ethiopia: A systematic review and meta-analysis. Informatics in Medicine Unlocked. 2022 Dec 9:101140. https://doi.org/10.1016/j.imu.2022.101140
3. Melaku, M.S., Aemro, A., Aychiluhm, S.B. *et al.* Geographical variation and predictors of zero utilization for a standard maternal continuum of care among women in Ethiopia: a spatial and geographically weighted regression analysis. *BMC Pregnancy Childbirth* **22,** 76 (2022). https://doi.org/10.1186/s12884-021-04364-6
4. Walle AD, Ferede TA, Baykemagn ND, Shimie AW, Kebede SD, Tegegne MD, Wubante SM, Yehula CM, Demsash AW, Melaku MS, Mengistie MB. Predicting healthcare professionals' acceptance towards electronic personal health record systems in a resource-limited setting: using modified

technology acceptance model. BMJ Health & Care Informatics. 2023 Mar 1;30(1):e100707. http://dx.doi.org/10.1136/bmjhci-2022-100707

5. Shibabaw AA, Walle AD, Wubante SM, Butta FW, Demsash AW, Sisay MM, Kebede SD, Mengiste MB, Mamo DN. Knowledge and attitude toward evidence-based medicine and associated factors among health science students in Mettu University southwest Ethiopia: Cross-sectional study. Informatics in Medicine Unlocked. 2023 Mar 23:101228. http://dx.doi.org/10.1016/j.imu.2023.101228

References

Reference 1	Mr Getahun Gebre (BSc, MPH), Department Head, Department of Health Informatics, CMHS, Wollo University, Dessie, Ethiopia. **Email:** getahungebre21@gmail.com
Reference 2	Dr Yakub Sebastian(PhD), Lecturer, Department of Information Technology, College of Engineering, IT and Environment, Charles Darwin University, Darwin, Australia **Email**: yakub.sebastian@cdu.edu.au
Reference 3	Mr Mekuanint sharew (BSc,MPH), Department Head, Department of Health Informatics, CMHS , University of Gondar, Gondar, Ethiopia. **Email:** mequsharew8@gmail.com