

From: Ermias Melku Tadesse.
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Subject:

To:

Dear Madam/Sir

I am applying for this position with great enthusiasm, as I am eager to join your organization. I have a strong educational background in computer science, computer networks and security, and management, as well as extensive professional experience in technical fields.

I graduated with a Bachelor of Science in Computer Science from Ambo University in Ethiopia, achieving a GPA of 3.07 in June 2015. Building on this foundation, I obtained a Master of Science in Computer Network and Security from Debre Berhan University in Ethiopia in 2024, with a GPA of 3.68. My thesis, rated Very Good, enabled me to explore complex networking and security issues in depth, further strengthening my expertise in these areas. In 2023, I also graduated with honors and a GPA of 3.93 with a Bachelor of Arts in Management from United College in Ethiopia. My interdisciplinary experience in technology and management provides me with a unique perspective and skill set that I believe will be highly beneficial to your organization.

I began my career at North Wollo Gubalafto Wereda as an ICT teacher, where I contributed to curriculum development and taught information technology to students. During this period of approximately 1.8 years, I enhanced my communication and teaching skills. After that, I moved to the Kombolcha Institute of Technology at Wollo University, where I have been employed for the past seven years as a Senior Technical Assistant II and, for the past two years, as Chief Technical Assistant I. In this role, I have significantly enhanced my knowledge by taking on responsibilities in project management, technical team leadership, and technical support.

Throughout my career, I have consistently demonstrated a strong commitment to quality, problem-solving, and lifelong learning. I have successfully overseen IT projects, implemented innovative ideas to increase productivity, and provided technical guidance to students and colleagues. I have attached my CV and supporting documents (certificates and educational records) for your review. I am available to attend an exam or interview at your convenience if you consider me a suitable candidate for one of your vacancies. I hope to be among your valued selections.

I appreciate your consideration in advance.

“Yours faithfully”



Ermias Melku

CURRICULUM VITAE (CV)

1. PERSONAL INFORMATION:

Name: Ermias Melku Tadesse

Sex: Male

Marital Status: Single

Date of Birth: 04/9/1997 G.C.

Nationality: Ethiopian

Telephone: +2519-10-27-07-23 / +2519-13-91-35-92

E-mail: ermiasmelku3400@gmail.com.

2. ACADEMIC BACKGROUND

- Master of Science in Computer Network and Security, Debre Berhan University, Debre Berhan, Ethiopia (2024).
- Bachelor of Arts in Management, United College, Dessie, Ethiopia (2023).
- Bachelor of Science in Computer Science, Ambo University, Ambo, Ethiopia (2015).

3. RESEARCH PUBLICATION AND PROJECT

Throughout my career, I have contributed to the fields of computer science, artificial intelligence, networking, and data analysis through various research projects, including:

- QoS-Aware Task Scheduling using Reinforcement Learning in Long Range Wide Area Network IoT Application, Research Journal (Volume 10, Issue 1), 2025.
- <https://researchsci.net/index.php/view/article/view/4>.
- Load-aware priority adaptive traffic congestion control method in vehicular ad hoc network, Research Journal (volume 09, issue 03), 2024. <https://researchsci.net/index.php/view/article/view/9>.
- Load Aware Traffic Congestion Control Mechanism Using Fuzzy Logic, Mathematics and Computer Science (Volume 10, Issue 2), 2025. <https://www.sciencepublishinggroup.com/article/10.11648/j.mcs.20251002.11>.
- Enhancing the Performance of AODV Routing Protocol for Selfish Node Detection in MANET, International Journal of Wireless Communications and Mobile Computing (Volume 12, Issue 1), 2025. <https://www.sciencepublishinggroup.com/article/10.11648/j.wcmc.20251201.13>.
- Red Onion Seed Quality Classification Using Transfer Learning Approaches, Research Journal (Volume 10, Issue 1), 2025. <https://researchsci.net/index.php/view/article/view/5>.

- Amharic Language Hate Speech Detection on Social Media, American Journal of Artificial Intelligence (Volume 9, Issue 1), 2025. <https://www.sciencepublishinggroup.com/article/10.11648/j.ajai.20250901.12>.
- Vehicle Accident Prevention on Curve Roads using VANET, Research journal (volume 9, issue 4), 2024. <https://researchsci.net/index.php/view/article/view/8>.
- Sybil Attack Prevention and Detection Mechanism in VANET Based on Multi-factor Authentication, International Journal of Information and Communication Sciences (Volume 11, Issue 1), 2026. <http://sciencepg.org/journal/517/archive/5171101>.

In addition to my research contributions, I have developed and led numerous technical projects, including:

- Online Class Scheduling System for Ambo University.
- Advanced Internet Programming Project.
- Online Shopping Management System.
- SMS Exam Announcement System for Ambo University.

I am confident that my experience in conducting and reviewing research, combined with my practical knowledge of relevant technologies, would enable me to make a valuable contribution to the journal's peer review process.

4. LANGUAGE SKILLS:

- Amharic: Excellent (Reading, Speaking, Writing, Listening)
- English: Excellent (Reading, Speaking, Writing, Listening)

5. PROFESSIONAL SKILLS

I am proficient in programming languages such as Java, Python, and C++, and have expertise in network protocols, security measures, database management, and project management. My skills also include data analysis, AI techniques, leadership, problem-solving, interpersonal skills, and IoT applications.

6. PERSONAL QUALITIES

Dedicated and detail-oriented individual with a passion for learning and problem-solving. Effective communicator and team player, able to thrive in collaborative environments.

7. WORK EXPERIENCES:

Chief Technical Assistant I, Wollo University Kombolcha Institute of Technology Duration: 01/09/2017 - Present
Responsibilities:

- Provide technical support and guidance to faculty, staff, and students.
- Manage IT projects, including system upgrades and network infrastructure enhancements.
- Develop and implement IT policies and procedures to ensure data security and compliance.

- Conduct training sessions and workshops on IT best practices and emerging technologies.

ICT Teacher, North Wollo Gubalafto Wereda Duration: 16/10/2015 – 13/07/2017 Responsibilities:

- Design and deliver an ICT curriculum for students at various levels
- Assess student learning and provide constructive feedback.
- Collaborate with colleagues to develop instructional materials and resources.
- Participate in professional development activities to enhance teaching skills and knowledge.

8. CERTIFICATES AND TRAINING:

- Certificate of Competence (COC) in IT Support Service Level I and IT Support Service Level II.
- COC Certified Database Administration Level 3.
- Construction of a new computer lab network and maintenance of a teaching room for the College of Informatics.
- Certificate in Database, Computer Networking, and Office Machine Maintenance, Woldia University, 17–23 May 2016.
- Letter of Appreciation from Terefe Secondary School, Gubalafto Woreda, in recognition of dedicated service, integrity, and significant contribution while teaching during the 2009 (E.C.) academic year.
- Certificate in Video Editing in Premiere Pro for Beginners, www.mindluster.com.
- Digital Marketing Online Certificate, HubSpot Academy.
- Certificate in Introduction to Critical Infrastructure Protection, OPSWAT Academy.
- Certificate in Gig Economy Skills: Module 1 – The Gig Economy; Module 2 – Managing Gig Work and Gig Workers; Module 3 – Skills to Succeed in the Gig Economy; Module 4 – The Gig Economy: Gender Equality and Inclusion; Module 5 – Ways That Gig Workers Become Gig and Professional Marketers (GPMs), M-Academy (Mesrat-Academy) Skilling Programme.
- Certificates in Academic Integrity, How to Evaluate Resources, How to Study Effectively, How to Take a Course, Keeping Yourself Safe Online, Setting Goals to Manage Your Time, and Master Class for Teaching Online (Open edX), Ethiopian Ministry of Education.
- Higher Diploma Programme Certificate for Higher Education Professional Instructors, Wollo University.
- Data Science Fundamentals, Data Analysis Fundamentals, Artificial Intelligence Fundamentals, Programming Fundamentals, Android Kotlin Developer Fundamentals, and Android Developer Fundamentals certificates from UDACITY Academy. <https://www.udacity.com/dashboard>.
- Qualitative Data Analysis, Leadership Essentials, Procurement and Logistics, Project Management Essentials, and Environmental Sustainability in the Development Sector for Suppliers certificates from Disasterready.org.
<https://ready.csod.com/phnx/driver.aspx?routename=Social/UniversalProfile/Snapshot/Badges&TargetUser=2275424>.

- Cyber Security for Leadership, Network Security, Advanced Cyber Security – Threats and Governance, Cloud Foundation, Cyber Forensics, Cyber Security Threats, Encryption Basics, Ethical Hacking – Mobile Platforms and Network Architecture, Introduction to Cloud Security, Introduction to Cyber Attacks, Introduction to Cybercrime, Introduction to Cyber Security, Introduction to Ethical Hacking, Introduction to Firewall, Introduction to Information Security, Types of Cyber Security, Data Analysis with Excel, Data Science Foundation, Introduction to DevOps, FED HTML, FED CSS, Introduction to JavaScript, Introduction to AngularJS, Introduction to Machine Learning, Introduction to R, Machine Learning Model Deployment using Flask, Power BI, Python Fundamentals for Beginners, Statistics for Data Science, Communication Management, Conflict Management, Customer Management, Customer Relationship Management, Diversity Management, Effective Communication, Leadership and Management, People Management, Principles of Leadership, Product Management, Project Quality Management, Quality Management, and VUCA Leadership Certificates from Great Learning Academy.
https://olympus.mygreatlearning.com/certificates?pb_id=581.
- Golden, Silver, and Bronze level certifications in Preprints.org, completed the Preprint Reading Marathon challenges. <https://www.preprints.org/user/account>.
- Certificate of Attendance in the MDPI World Telecommunication and Information Society Day Webinar 2025.
- Google Ads for Beginners, Build a Free Website with WordPress, and Create a Project Charter with Google Docs, certificates from Coursera. <https://www.coursera.org/my-learning?myLearningTab=COMPLETED>
- Professional Networking for Career Growth, Starting a Small Business, Introduction to Cybersecurity Awareness, and IT for Business Success certification from the HP Foundation. <https://www.life-global.org/dashboard?page=1&traineeStatus=finished>
- Basics of Python, Basics of Artificial Intelligence, Basics of Human Resource Management, Basics of Digital Marketing, Basics of Strategic Human Resource Management, and Fundamentals of English Grammar certification from Uniathena. <https://uniathena.com/lms/student-dashboard/certification-issued>.
- Data Analytics and Digital Transformation, Global Leadership and Personal Development, Principles of Global Management, and Global Entrepreneurship & Innovation Bootcamp certification from Thunderbird School of Global Management at Arizona State University. <https://www.100millionlearners.org/portal/>.
- Cybersecurity and Artificial Intelligence (AI) for Social Impact certification from the Asian Development Bank Institute (ADBI). <https://elearning-adbi.org>.
- How to Write an Original Thesis: A Step-by-Step Guide, How to Conduct a Literature Search and Review Effectively, IMRAD Format Research: Master the IMRAD Format for Publication Success, and Understanding the Basics of Publishing a Research Article in a Journal certification in R upskill. <https://upskill.researcher.life/>.

9. COMMUNITY SERVICE:

- Provided free summer tutoring and community service to students in Raya Kobo Wereda, improving academic performance and community engagement.

- Delivered pro bono tutoring and technical assistance to Information Technology students at Kombolcha Institute of Technology.
- Conducted specialized data management training for clinical nursing staff at Kombolcha Institute of Technology, enhancing operational efficiency.

10. COMMITTEES:

- Participated in making teacher performance evaluation results.
- Engaged in document verification and recruitment of students.

11. HOBBIES:

- Reading books and newspapers, especially technology-related materials.
- Visiting historical places and parks.
- Exploring different websites.
- Searching for current information on the internet.
- Watching films.
- Playing football.

12. PERSONAL ATTRIBUTES:

- Healthy and capable of performing any type of work.
- Disciplined behavior.
- Free from any addiction.
- Excellent relationship with everyone.

13. REFERENCES:

Dr. Samuel Asferaw Demilew (PhD), Assistant Professor in Information Technology, Department of Information Technology, School of Computing Science, Institute of Technology, Debre Berhan University, Ethiopia. samuelasferaw@dbu.edu.et, samasferaw@gmail.com

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