



# FITSUM ENDALA. TAKELE

Senior Information Technology Director & Lecturer

## PROFILE

An accomplished Information Technology Director and Lecturer with over 18 years of experience in academic leadership, curriculum development, and IT infrastructure management. Currently serving as the Director of an Information Technology Department and Lecturer at Hawassa University, I lead the department's operations, strategic planning, and technical infrastructure management. I have a proven track record in delivering IT courses, supervising research, and overseeing IT strategy and budget allocation.

With a deep understanding of network management, cybersecurity, and project management, I am also pursuing a Ph.D. in Computer Applications at Guru Kashi University, India. My research focuses on artificial intelligence and resource management in 6G networks. Key competencies include strategic IT planning, academic program design, cybersecurity, and integrating emerging technologies such as AI and blockchain into organizational processes. I am passionate about fostering innovation through teaching and research while ensuring the reliability and security of institutional IT systems.

## EDUCATION

- Master of Science in Information Technology Teacher Education
  - GPA: 3.31/ 4.0 Adama Science and Technology University, Sep 2012 - Jul 2014
- Bachelor In Information Technology
  - GPA: 2.57/ 4.0 Jimma University Sep 2005 - Nov 2009
- Bachelor of Science in Pharmacy
  - GPA: 3.73 / 4.0 PARADISE VALLEY COLLEGE Oct 2018 - Aug 2022
- Bachelor of Arts in Business Public Management
  - GPA: 3.11/4.0 Ethiopian Civil Service University Feb 2008 - Jan 2012
- Diploma in BIS (Business Information System)
  - GPA: 2.94/4.0 National College Sep 2002 - Sep 2004

## WORK EXPERIENCE

- **Director of an Information Technology and Lecturer** DEC 2016 - PRESENT

Hawassa University, Business and Economics College

- Lead IT department operations, strategic planning, and resource management
- Develop and teach IT courses, ensuring up-to-date curriculum.
- Supervise student research and provide academic support.
- Manage IT infrastructure, ensuring system reliability and security.
- Contribute to IT strategy and manage departmental budgets.
- Engage in IT research and foster industry collaborations.

- **Director of an Information Technology Center and Lecturer** Dec 2015 - Dec 2016

#### Arbaminch University

- IT Strategy and Planning
- Leadership and Team Management
- Technology Infrastructure Management
- Cybersecurity and Risk Management
- Budget and Resource Allocation
- Project Management
- Teaching and Lecturing: Conducting lectures and seminars on IT topics, Creating and revising course materials and syllabi, Evaluating and grading student work.
- Curriculum and Program Development: Developing and accessing academic programs and courses, ensuring that the curriculum aligns with industry standards and accreditation requirements.
- Research Supervision: Mentoring students through their research projects, providing support to faculty and students involved in research activities.

- **Director of an Information Technology Center and Teacher** Feb 2012 - Dec 2015

#### Hawassa Polytechnic Technical College

- Assisted in managing student records and academic documentation.
- Supported curriculum development and updated instructional materials. Provided academic guidance and organized student support sessions.
- Assisted with administrative tasks and coordinated departmental events.
- Vendor and Contract Management
- User Support and Training
- Data Management and Business Intelligence
- Policy Development and Enforcement
- Innovation and Continuous Improvement

- **Graduate Assistant II** Jan 2011 - Jan 2012

#### Arbaminch Health Science College

- Managed student information systems, ensuring data security and accuracy.
- Developed and delivered training on system usage for staff and students.
- Created and maintained academic records and instructional materials.
- Provided technical support for student record issues.

- **ICT Department Head and Teacher**

Mar 2006 – Dec 2010

**Arbaminch Polytechnic Technical College**

- Assisted with ICT course delivery and tutorials.
- Supported curriculum development and updates.
- Engaged with students to enhance learning and academic success
- Helped with administrative tasks and research assistance. Ensured smooth daily operations and system performance

- **ICT Teacher Jinka TVET College**

Mar 2005 – Mar 2006

- Engaged with students to enhance learning and academic success.
- Provided ICT support for hardware, software, and network issues.
- Managed and maintained technical infrastructure and systems.
- Ensured smooth daily operations and system performance.
- Delivered user training and created support documentation.

## **CERTIFICATIONS**

- CCNA Discovery Networking for Home and Small Business
- CCNA Discovery Working in a small to Medium Business or ISP
- CCNA Discovery Introducing Routing and Switching in the Enterprise
- CCNA Discovery Designing
- Multimedia PDDH and networking and
- Outstanding Performance of Teacher and Decision Making

## **SKILLS**

- **Strategic Planning:** Developing long-term IT strategies that support organizational objectives.
- **Technical Expertise:** Deep knowledge of IT infrastructure (servers, networks, cloud computing, etc.).
- **Project Management:** Leading large IT projects, including system upgrades and digital transformations.
- **Cybersecurity and Compliance:** Ensuring the organization's IT systems meet security standards and compliance regulations (GDPR, ISO, etc.).
- **Innovation and Adaptability:** Ability to stay current with emerging technologies like AI, IoT, and blockchain and implementing technological innovations to improve business processes.
- **Vendor and Contract Management:** Negotiating contracts with technology vendors.
- **Managing relationships with external partners and ensuring service level agreements (SLAs) are met.**
- **Leadership and Management:** Strategic Planning, Team Leadership, Conflict Resolution, Decision Making
- **Academic Expertise:** Curriculum Development, Instructional Skills, Research Supervision.
- **Technical Knowledge:** Network Management, System Administration, Technical Troubleshooting
- **Communication Skills:** Effective Communication, Interpersonal Skills
- **Administrative Skills:** Accreditation Processes, Budget Management, Policy Development
- **Research and Development:** Leading Research Initiatives, Promoting Innovation

## **PUBLICATION**

- Submit to IEEE: Title: Blockchain-empowered Federated Deep Reinforcement Learning for Resource Allocation in HAPS-assisted IoV Digital Twin Networks

## **RESEARCH AREA**

- Title: Artificial Intelligent-Based Resource Management in 6G Networks

## **LANGUAGES**

- English (Fluent) and Amharic (Fluent)

## **VISA STATUS**

- Tourist Vis

## **REFERENCE**

- Dr. Nahom Abishu Hayla Associate Professor of Hamad Bin Khalifa University, Doha, Qatar  
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