

Ephrem Admasu Yekun *Lecturer and researcher*

✉ ephrem.admasu@mu.edu.et ☎ +251965063342 📍 Addis Ababa, Ethiopia **in** Ephrem A. Yekun
🌐 ephrem-admasu 🆔 0000-0002-4944-6324 🏠 Google Scholar **M** ephraim.admasu@gmail.com

👤 Profile

Lecturer and researcher at Mekelle University with research interests in machine learning, deep learning, and optimization and their applications in different engineering domains. Over a decade of experience in teaching, research, and community service with proven skills in implementing varieties of machine learning models.

🎓 Education

Sep 2013 – Jun 2016	M.Sc. in Computer Engineering <i>Mekelle University</i> 🔗	Mekelle, Ethiopia
Sep 2007 – Jul 2012	B.Sc. in Electrical and Computer Engineering with Specialization in Electronics and Computer Engineering <i>Mekelle University</i> 🔗	Mekelle, Ethiopia
Sep 2003 – Jun 2007	High School Diploma <i>Kellamino Special High School</i>	Mekelle, Ethiopia

📁 Professional Experience

Jul 2016 – present	Lecturer <i>Mekelle University</i> 🔗	Mekelle, Ethiopia
Sep 2012 – Sep 2013	Assistant Lecturer <i>Mekelle University</i> 🔗	Mekelle, Ethiopia
Sep 2011 – Jan 2012	Intern - Radio Access Network Operator <i>Ethiopian Telecommunication Corporation (Ethiotelecom), North region</i> 🔗	Mekelle, Ethiopia
Sep 2022 – Feb 2023	Volunteer Software Developer <i>Mekelle City Administration</i>	Mekelle, Ethiopia

📖 Research Publications

2022	Jain, Praphula Kumar, Rajendra Pamula, and Ephrem Admasu Yekun 🔗 <i>"A multi-label ensemble predicting models to service recommendation from social media contents." The Journal of Supercomputing 78.4 (2022): 5203-5220, Springer</i>
2021	Yekun, Ephrem Admasu, and Abrahaley Teklay Haile 🔗 <i>"Student Performance Prediction with Optimum Multilabel Ensemble Model." Journal of Intelligent Systems 30, no. 1 (2021): 511-523, Degruyter</i>
2021	Praphula Kumar Jain, Ephrem Admasu Yekun, Rajendra Pamula, and Gautam Srivastava 🔗 <i>"Consumer recommendation prediction in online reviews using Cuckoo optimized machine learning models", Computers and Electrical Engineering, Elsevier</i>
2016	Hailu, Dawit Hadush, Gebrehiwet Gebrekrstos Lema, Ephrem Admasu Yekun, and Samrawit Haylu Kebede 🔗 <i>"Unified study of Quality of Service (QoS) in OPS/OBS networks." Optical Fiber Technology 36 (2017): 394-402, Elsevier</i>

🔗 Research Publications on Arxiv









Yekun, Ephrem Admasu, Alem Haddush Fitwi, S. Karpaga Selvi, and Anubhav Kumar [🔗](#)
"Short-term Wind Speed Forecasting based on LSSVM Optimized by Elitist QPSO."

Yekun, Ephrem Admasu, Petros Reda [🔗](#)
"Detecting Urban Dynamics Using Deep Siamese Convolutional Neural Networks"

📁 Projects

Sep 2022 – Feb 2023	Designed and developed a full-stack web application that records internally displaced people (IDPs) sheltered under Mekelle Administration.
Nov 2021 – Aug 2022	Built a student performance and engagement prediction algorithm for primary and secondary schools in Tigray, Ethiopia.
Feb 2017 – Jun 2019	In collaboration with the college of Veterinary science in Mekelle University, I developed an RFID-based software application used for tracking and health monitoring of livestock.

Certificates

IELTS (Academic)  (CI Level (Proficient user)), **Voluntary work**  (Mekelle City Administration),
Neural networks and deep learning  (Coursera), **Convolutional neural networks**  (Coursera),
Computer vision basics  (Coursera), **Writing in the sciences**  (Coursera), **Game theory**  (Coursera),
Social psychology  (Coursera)

Skills

Programming (Python/Java/C/C++) • **DeepLearning Libraries** (Pytorch, Keras, TensorFlow)

ML Libraries (Scikit-learn/Numpy/Pandas/Matplotlib) • **Git/Github** • **WebFrameworks** (Django/Bootstrap/HTML/CSS3)

LaTeX/MS-Word/Google-Docs

Interests

Reading | Coding | Researching | Table Tennis | Teaching | Volunteering

References

Alem Haddish Fitwi (PhD), *Software Engineer*, RL Manufacturing Test & Automation at Meta in Sunnyvale
afitwi1@binghamton.edu, +16072321056

Asdaque Hussain (PhD), *Associate Professor*, Koneru Lakshmaiah Education Foundation
m.asdaque@aou.org.bh

Karpaga Selvi Subramanian (PhD), *Associate Professor*, Bharat Institute of Engineering and Technology, Hyderabad, India
drselvi@biet.ac.in, +91 95973 87027

Praphula Kumar Jain (PhD), *Assistant Professor*, GLA University, Mathura, UP
praphulajni.16droo0254@cse.ism.ac.in, +919752450951

Declaration

I here declared that all the above information provided by me is true, complete and correct to the best of my knowledge and can be supported with reliable documents when needed.



Ephrem Admasu Yekun
Addis Ababa, 15/12/2023