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Tekle Negash Hagos

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Address: Eyasu Berhe, 139, Adihaqi, Mekelle, Ethiopia, Adi-haqi, Mekelle, 7000, Mekelle, Ethiopia (Home)

Address: Mekelle University-Mekelle Institute of Technology (MIT)- 1632 Mekelle (Ethiopia), 7000, Mekelle, Ethiopia (Work)

ABOUT ME

Senior Software Developer @Metkel-Tech share company

Researcher and Academician @Mekelle University, Mekelle Institue of Technology (MIT)

WORK EXPERIENCE

08/02/2016 – 10/10/2016 Mekelle, Ethiopia

FIXED ACCESS NETWORK SPECIALIST LEVEL C ETHIO-TELECOM

Network lines expansion
Network lines maintenance
Network configuration for ADSL type routers
Installation of WIFI networks for residential and Institutions
Preparing manuals for users and giving training

04/07/2015 – CURRENT Mekelle, Ethiopia

ACADEMICIAN AND RESEARCHER MEKELLE UNIVERSITY

- Working on AI research projects
- Lecturing students courses such as Java, Computer Architecture and Organization, Microprocessor
- Preparing User manuals for students
- Participating in research and development Department of the University
- Revising the Curriculum of the Electrical and Electronic Engineering,
- Advising graduating students on their final year thesis,
- Member of the Mekelle University Research Evaluation Committee

10/11/2019 – CURRENT Mekelle, Ethiopia

SOFTWARE DEVELOPER METKEL-TECH SHARE COMPANY

System designer using UI UX
Software Developer
Software tester

EDUCATION AND TRAINING

10/10/2016 – 17/12/2021 Mekelle, Ethiopia

MASTER OF SCIENCE (MSC.) IN COMPUTER ENGINEERING Mekelle University

Website www.mu.edu.et

10/10/2010 – 04/07/2015 Mekelle, Ethiopia

BACHELOR OF SCIENCE (BSC.) IN ELECTRICAL AND COMPUTER ENGINEERING Mekelle University

Address Mekelle University, Endayesus Campus, 7000, Mekelle, Ethiopia | **Website** www.mu.edu.et

10/10/2014 – 10/12/2014 Mekelle, Ethiopia

JAVA CERTIFIDE Ethiolense College

DIGITAL SKILLS

Programming Skills

Deep Learning, | programming: Python, MATLAB and SQL | Programming with Python, Node js, Ruby, Bash, React, Js | Convolutional Neural Networks, Recurrent Neural Networks | Networking (Cisco, HP Procurve, Unifi) | Network configuration, modems, network problems | Experience with C, Assembly, Matlab, PLC languages | Machine Learning | Android , JAVA, React Native, Phonegap Cordova, JSON | java, C++, C# programming languages

Platforms

Google Drive | Microsoft Excel | Microsoft Office | Facebook | Linux (Terminal Commands, Bash/ Shell) | Javascript (VueJS - ReactJS) | Skype | Installing and operation of Microsoft XP, Windows 7,8 & 10 MS-Office | Zoom | Network simulation and configuration tools

LANGUAGE SKILLS

Mother tongue(s): **TIGRIGNA**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
AMHARIC	C2	C2	C2	C2	C2
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

ADDITIONAL INFORMATION

PROJECTS

10/09/2020 – 17/12/2021

MSc. Thesis: Lung Cancer Classification and Detection using Deep Learning Approach. Lung cancer is the most common and rapidly growing disease in the world. Lung cancer is most commonly found in men. Lung cancer can be controlled if it is detected early. There have been numerous previous studies conducted using machine learning. Machine learning algorithms such as decision trees, KNN, SVM, nave bays, and others provide superior performance in their respective fields. The main objective of this project was however to introduce, a newly developed technique called deep learning and convolutional neural network that classify Lung cancer into benign and malignant categories. Deep learning is a newly developed technique. Deep learning is used to compensate for the shortcomings of old machine learning algorithms.

10/01/2019 – 10/10/2019

MSc. Independent Project: Android based Language translator for hearing disabled people This project was developed with the help of Android programming language to particularly help hearing disabled people easily communicate with hearing abled people. The application is developed to easily convert sign language into text and a given equivalent text into sign language vice versa. That way it helps both parties to communicate easily.

01/02/2015 – 03/06/2015

Bachelor Degree Final Year Thesis: Android and Arduino Based Real Time Controlling and Tracking of Moving Object The objective of the BSc thesis was to be able to integrate android Programming with Arduino Microcontroller to help Solve real world problems. With help of this project I was able to track and

control moving objects around the Arduino installed environment. Notifications was coming to my phone about what is happening in my area, to help me notify and control so that I can take decisions, or be able to aware my self from external intruders or thieves.

01/02/2014 – 10/06/2014

Bachelor Degree Mini Porject: Android based automatic answering incoming call machine. The objective of the android based mini project entitled as "Android based automatic answering incoming call machine" was to basically develop an android system that automatically answers or leaves a text during a call. By doing this it helps users to easily pick their phone in conditions where they are busy like, when driving, when handling very busiest kind of task. The system can also send automatic SMS message to the caller to notify him that the user is busy of handling another tasks and is unable to pick his/her phone.

SOME BSC. LEVEL COURSES TAKEN

Courses taken at BSc. level

Data Communication and Computer Networks
Computer Architecture and Organization
Introduction to robotics and Industrial Automation
Embedded System
VLSI Design
Database System
Data Structure
Object Oriented Programming in Java
Digital Logic Design
Introduction to Electrical Machines

MSC. LEVEL COURSES TAKEN

Few of Courses taken at MSc. Level

Advanced Computer Networking and Security
Compiler Design
Advanced Operating System
Advanced Computer Architecture
Distributed System
Advanced Image Processing
Advanced Embedded System

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and Interpersonal Skill

1. Proven ability to communicate effectively, as demonstrated through experience teaching and advising students at Mekelle University.
2. Strong interpersonal skills, as demonstrated through successful participation in research projects and a proven ability to work well in a team.
3. Experience as a project leader and coordinator, including a successful track record of managing and handling team members, as demonstrated through leadership roles in Summer and final year projects, and as a coordinator in community project entitled as "Deep learning approach for breast cancer detection".

RECOMMENDATIONS

1. Alem Hadush Fitwi (PhD) Researcher and Academician

Hardware/Algorithm Engineer for Reality Labs Manufacturing Test & Automation @Meta

Email fitwialem2022@meta.com | **Phone** (+1) 6072321056

2. Karpaga Selvi Subramanian (Professor) Researcher and Lecturer

Researcher, Academician and Lecturer at Mekelle Institue of Technology (EiT-M).

Email karpagaselvi@gamil.com | **Phone** (+91) 9597387027