**SENAIT FESSEHAYE TEKLEAB**

**OBJECTIVE**

To pursue a career in an organization where I can develop my skills within the company, increase my knowledge at various levels and do my best to work for overall stability and development of the company.

**EDUCATIONAL QUALIFICATION**

M.TECH in Networking and Internet Engineering from Karunya University

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| --- | --- | --- | --- |
| EXAMINATION | BOARD/UNIVERSITY | YEAR OF  PASSING | PERCENTAGE/CGPA |
| M-tech(Networking  and Internet Engg) | KARUNYA UNIVERSITY | 2015 | 6.76\* |
| B.Tech (I.T) | KARUNYA UNIVERSITY | 2013 | 6.78**\*** |
| XIIth | SSC | 2009 | 65.84 |
| Xth | HSC | 2006 | 80 |

**\***- CGPA - CUMILATIVE GRADE POINT AVERAGE

**SOFTWARE RELATED**

.

**Language known**: C, C++, JAVA

**Database** : Oracle

**Area of Interest** : Cloud computing, PHP and MySQL

**EXTRA CURRICULAR ACTIVITIES**

* Member of nature club in Karunya University
* Participated as counselor in KEMT tournament that was held in karunya university
* Attended hadoop workshop in karunya University

**CERTIFICATION**

* IELTS score with 6.5

**PROJECT DETAILS**

**TITLE:** EFFICIENT IMAGE RETRIEVAL TECHNIQUE OF MEDICAL DATA IN MOBILE BASED HEALTHCARE CLOUD ENVIRONMENT

**DESCRIPTION:** Image retrieval is considered to be one of the system used especially in medical fields and other areas in order to retrieve images efficiently. Many image retrieval techniques have been proposed in the past but much attention wasn't given for image retrieval in a cloud environment. Medical management people don't remain in one place. So, there has to be a technique where they can work with medical images wherever they go and that can be achieved only with mobile devices. An efficient technique is proposed where access of medical images can be done through a mobile cloud environment. For image retrieval, three feature extraction techniques are proposed and combined for better accuracy: Color feature, texture feature and shape features. For color feature, color histogram is used as it is easy to use and insensitive to image rotation. For texture feature, gray level co-occurrence matrix is used as it requires less computation and has a faster feature extraction speed. For shape feature, Pseudo Zernike moment is used as its magnitudes are invariant under image rotation and has multilevel representation capabilities. For image retrieval in cloud, VMware is used where EXSi server is used for processing image retrieval and vSphere mobile client is used for accessing the server from mobile. The experimental results show that retrieval time is more at the beginning but after the first execution, less retrieval time is achieved, less computation cost is achieved by using only 4GB RAM of server with 2GB RAM assigned for VM and consumes less CPU and memory utilization. As three features are used, images are retrieved efficiently.

**PERSONAL DETAILS**

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| **Gender** | Female |
| **Date of Birth** | 12-08-1990 |
| **Martial Status** | Single |
| **Nationality** | Eritrean |
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| **Languages known** | English, Tigrinya |
| **Hobbies** | Listening to music, watching Olympic Games, discovery channel, Animal planet and travel n Living channels |
| **Strength** | Responsible, Willingness to learn, Helping others |

**Job Seeker First Name / CV No: 1798626**

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