

# Curriculum Vitae (CV)

## PERSONAL DETAILS

Surname	Marcely
First name	Robert
Middle name	Gembe
Date of birth	26 <sup>th</sup> May 1995
Place of birth	Ukonga/Ilala
Nationality	Tanzanian
Sex	Male
Marital status	Single
Language Proficiency	Kiswahili and English
Religion	Christian

## CONTACTS

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## WORK EXPERIENCES

### ASSISTANT LAND SURVEYOR(PART TIME) | 08/2019 - 10/2019

- Ardhi Institute Morogoro - Morogoro,
- Uploading collected data to internal database for review and manipulation by quality control team.

### MATHEMATICS TEACHER (PART TIME) | 01/2017 - 09/2018

- Zakia Meghji Secondary School | Chato-Geita
- Instructing students and supporting understanding of math concepts.
- Taught various kinds of math at standard, remedial and advanced levels.

## PRACTICAL EXPERIENCES

### Smart traffic light

It was my final year project. Where the system was counting the number of cars and make decision based on the number of car counted. Traffic light turned on or off based on the number of car counted. The technology used was computer vision.

### Bayesian Theorem Concepts

This project was based on supervised learning, where I built my own estimator and train the model through using bayes theorem and tree diagram method. I did not used any pre-built

estimator from scikit learn, but I used only pandas and Numpy libraries. I conduct this project in order to verify that you can build your own estimator and train the model without using any pre-defined estimator like logistic regression, linear regression and so on. But you have to know only mathematics and python.

### **Sarcasm Detector Using Embedding's**

A sarcasm detector is a tool or system designed to identify instances of sarcasm in written or spoken language. The goal of a sarcasm detector is to analyze text or speech and determine whether the intended meaning is different from the literal meaning, indicating the presence of sarcasm.

### **Sequence Modeling and Time Series Analysis Concepts**

This project is a crash full course which explains different concepts on how to deal with Sequence data and time Series datasets in sequence modeling and time series analysis. Different techniques are demonstrated i.e Deep neural network, Convolution neural networks, Recurrence neural networks and Statistical approaches.

### **Login Fraud Detection**

This project aims to detect if anyone tries to login into your accounts and alert you. It is not completed but in progress. It utilizes machine learning concepts and large datasets.

### **Skin Cancer Detector**

I used neural network (deep learning) to detect the image if it has been affected by skin cancer or not. The project was conducted in kaggle notebook using a dermnet dataset. After training the model, I used Django to develop a simple web interface which allows user to interact with the system.

### **Crop recommendation system**

The project aims to recommend the crops to farmers in order to allow them to cultivate appropriate crops based on the soil profile.

### **Network scanning tool**

The tool was developed using python and other network tools (i.e nmap). It was a console tool, which scans the network and identifies the vulnerabilities on that network.

### **Property taxation web based system**

The system was developed using Django. It helps to identify which customer has electricity or not in a rural area, and locate them through using the base map, also trace the route on how to reach to that client.

## EDUCATION BACKGROUND

Institution	Year	Location (region)	Award
Ardhi University	2020-2023	Dar es salaam	Bachelor of science in computer systems and networks
Ardhi Institute Morogoro	2018-2020	Morogoro	Diploma in Geomatics
Kwiro high school	2014-2016	Morogoro	Advanced certificate of secondary education examination (ACSEE)
Murutunguru secondary school	2010-2013	Mwanza	Certificate of secondary education examination (CSEE)
Sayusayu seminary	2009	Shinyanga	Pre-form one
Sayusayu Primary School	2006-2008	Shinyanga	Certificate of primary education examination (CPEE)
Ukonga primary School	2002 - 2005	Dar-es-salaam	Standard one to four

## SKILLS

- Data science
- Software Developer
- Python programming
- Django
- Machine Learning
- Statistical Analysis
- Deep Learning
- Advanced Mathematical Abilities
- Data Acquisitions
- Business Forecasting
- Data Mining
- Data Exports
- Databases

## SOCIAL NETWORKS

### Github

<https://github.com/Robert-Xsa>

### Linkedin

<https://www.linkedin.com/in/robert-gembe-marcelly/>

**Twitter**

<https://twitter.com/RobertGembe/>

**Facebook**

<https://www.facebook.com/profile.php?id=100004211178996>

**Instagram**

[https://www.instagram.com/gembe\\_tz\\_tranter\\_bze/](https://www.instagram.com/gembe_tz_tranter_bze/)

**WhatsApp**

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**Telegram**

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## HOBBIES

- Reading Scientific books
- Python coding
- Listening Music
- Watching Football

## REFEREES

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