

ANDREW MIYANGA IPU

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GitHub Profile: github.com/andrewipu | Personal Portfolio: [Andrew Ipu](#)

SKILLS SUMMARY

- B.Sc. in Applied Computer Technology with a concentration in Forensic IT & Cybercrime.
- Proficient in Word, Excel, Regex, Git, HTML, CSS, Google Collab.
- Proficient with assembling and working with computer hardware.
- Experience with Sklearn library.
- Proficient in English and Swahili.
- Meticulous and thorough with my work.
- Comfortable with inquiring from others and eager to learn from them.
- Dedicated to staying current with technology.
- Committed to teamwork and fostering positive work relationships.

EDUCATION

UNITED STATES INTERNATIONAL UNIVERSITY – AFRICA (USIU-A) Sept 2022
BACHELOR OF SCIENCE APPLIED COMPUTER TECHNOLOGY
CONCENTRATION IN FORENSIC IT & CYBERCRIME

ST. MARY'S SCHOOL 2013 - 2016
IGCSE 'O' LEVEL CERTIFICATE

WORK EXPERIENCE

I.T Attaché 6th June 2022 – 31st August 2022

Kenya Mortgage Refinance Company (KMRC)

- Provided IT Support for several departments including risk, credit, HR, and finance.
- Partnered with I.T department to research and develop company Incident response plan, Disaster recovery and failover plan, and reviewed security policy.
- Developed 3rd party risk assessment.
- Partnered with I.T department to test and implement Event Management System (EMS).
- Revised ICT patch and vulnerability plan.

PERSONAL AND ACADEMIC PROJECTS

Pi-Hole Ad blocker DNS Server on Raspberry Pi 4

- Implemented a network wide ad-blocker on a raspberry pi 4 computer.
- Successfully blocked ads on various domains such as YouTube.
- DNS server ad-block database was managed using Pi-Hole's in-built blacklist.

Home network set-up and configuration

- Installed and configured an after-market router by Edge Router.
- Configured a VPN as well as multi-SSID split between 2.4 and 5GHz frequencies.
- Installed and configured a Ubiquiti network Wireless Access Point.

Machine Learning – Sentiment analysis model using Recurrent Neural Network

- Model was used to predict overall sentiment of various movie reviews left by viewers after viewing.
- Model was trained using open source IMDB database with 25,000 training samples and 25,000 testing samples.
- Model produced good results with an overall accuracy of 85%.
- Model was imported to TensorBoard for visual analysis of its performance.

Machine Learning - Logistic Regression model using Titanic dataset

- Implemented a logistic regression model using sklearn.
- Model was used to make various predictions such as survival rates based on gender.
- Model generated visual graphs using matplotlib and wandb.

PROFESSIONAL TRAINING

FreeCodeCamp

March 14th 2023

Scientific Computing with Python

<https://www.freecodecamp.org/certification/fcc172dcb9e-395f-4b11-9c1a-f460fa401fe5/scientific-computing-with-python-v7>

FreeCodeCamp

January 20th 2023

Responsive Web Design

<https://www.freecodecamp.org/certification/fcc172dcb9e-395f-4b11-9c1a-f460fa401fe5/responsive-web-design>

DataCamp Certificates in Excel and Data analysis29th Sep 2020 - Present*Introduction to the Tidyverse**Exploratory Data Analysis in R**Introduction to R**Introduction to Statistics in Spreadsheets**Data Analysis in Excel***Immersive Labs**

2022 - Present

*7hrs and counting of training in offensive security.**Over 30 labs completed – SQL injection, Network Scanning, SQLmap, Banner grabbing, etc.***VOLUNTEER EXPERIENCE**

Community Service

Jan 2021 – April 2021

Mama Fauzia Children's Home

- Worked with the on-site general manager to conduct needs assessment.
- Collaborated with team to gather resources in accordance with data from needs assessment.
- Worked jointly with team treasurer to ensure funds from donations were allocated and spent appropriately.

INTERESTS & HOBBIES

- Computer Hardware Assembly and Maintenance
- Computer Programming
- Reading