


BSc. Mathematics and Computer Science Student

(Machine Learning Enthusiast)

+254792598285 <https://github.com/ErickNyagilo/> 

PROFESSIONAL PROFILE

Network engineer with years of experience maintaining and improving network system security. I believe the business-level metrics for performance that IT needs to support. The crudest one is availability, but it also could be cost savings or customer satisfaction. IT and the Business need to have a common language about the value of performance. I believe I would be the best person to bridge this gap when give opportunity and trust.

CAREER SUMMARY

ZINDI | DATA SCIENTIST KEY ACHIEVEMENT

Jan 2020 – Present

I did compete in many different hackathons across Africa, where I performed extremely well. They include:-

- Urban Air Pollution Challenge is where we were to predict PM2.5 particulate matter concentration in the air every day for each city.
- South African COVID-19 Vulnerability Map by predicting the percentage of households that fall into a particularly vulnerable bracket.
- Xente Purchase Prediction Challenge where we were to predict what and when individuals will purchase next, based on their purchase history.

My ranking certification https://zindi.africa/users/Erick_Nyagilo/competitions/certificate

Kenya Metrological Department | Attaché

May 2019 – August 2019

RESEARCH AND DEVELOPMENT DIVISION KEY ACHIEVEMENT AND RESPONSIBILITIES

- Using data integration techniques I was able to match different data frames.
- Conducted data organization, formatting and Quality control checks ☑ Updated Rainfall data on the database using CLIMSOFT. Then verified the same rainfall data to ensure accuracy.
- Helped in compilation of reports.
- Performed data summary, presentation and storage. ☑ Performed data cleaning on rainfall data of the 39 stations by replacing the missing data (NA) using the medium of each set of data either column wise or row wise.

IT Division KEY ACHIEVEMENT AND RESPONSIBILITIES

- Participated and assisted in the organization of training of staff on ICT issues.
- Configured computer networks and systems.

- Conducted maintenance of an up-to-date inventory of software and hardware.
- Handled periodic maintenance of hardware and user support.
- Took telephone calls from users and attempt to assist them with their information technology questions and problems.
- Conducted electrical safety checks on computer equipment. ☑ Helped in website management and updating

EDUCATION



BSc. Mathematics and Computer Science | Jomo Kenyatta University of Agriculture and Technology

2016 – Date

Notable Modules: Data Structures and Algorithms, Probability and Statistics I, II, III & IV, Scientific Computing (MatLab), Theory of Estimation, Test of Hypothesis, System Programming (Linux Programming), Database Systems, Statistical Quality Control, Regression Modelling, Design and Analysis of Experiments, Simulation and Modelling, Partial Differential Equations, Design Analysis of sample survey.



Ramba High School

2012 – 2015

KCSE A- (Minus)

COMPETENCIES

TECHNICAL:

- Programming Languages: Node.js, JavaScript, PHP
- Data analysis: Python Programing
- Designing : Web (Adobe XD), Photoshop
- Networking
- Operating systems: Windows and LINUX
- Applications and database systems: Blender, Unity, MYSQL, MatLab, MS Office Suite
- Others: Java, HTML, CSS

GENERAL SKILLS:

- Possess excellent verbal and written communication skills
- Quick learner and ability to work under pressure
- Possess good management and organizational skills
- Ability to work in a team and under pressure
- Good motivator, enthusiastic and open to learn new ideas
- Sound knowledge of recognising and analysing information problems
- Ability to handle multiple tasks

LANGUAGES: English | Swahili

INTERESTS

MUSIC | SPORTS | CURRENT AFFAIRS | PROGRAMMING

CERTIFICATIONS & TRAINING

- AWS Certified Cloud Practitioner (Exam Prep)
- NSE 2 Network Security Associate (validity 2 years)
- NSE 1 Network Security Associate (validity 2 years)
- Geospatial Analysis
- Natural Language Processing
- Deep, Supervised and Unsupervised Learning

- Business Analysis (Exam Prep)
- Python Data Science Toolbox
- Attack Methodologies in IT & ICS
- Statistical Thinking in Python (Part 1 and Part 2)
- Cleaning Data in Python
- Merging and Manipulating DataFrames with Python
- Intermediate Python
- End-to-End Machine Learning with TensorFlow on Google Cloud

NB: REFEREES AVAILABLE UPON REQUEST



This certifies that
Erick Nyagilo
has achieved Fortinet's Network Security Expert certification
NSE 2 Network Security Associate

Certification Date: April 14, 2020

Certification Validity: 2 years

Certification Number: 2ERmOmwpzX



Ken Xie
CEO of Fortinet



Michael Xie
President and Chief Technology
Officer (CTO), Fortinet



Verify this certification's authenticity at:
https://training.fortinet.com/mod/customcert/verify_certificate.php

AWS Certifications



Certificate of Completion

For: Erick Ochieng

Understanding AWS Core Services
by David Tucker

Duration: 2 hrs 30 min
Completed: Apr 11, 2020

REP ID 4127





Certificate of Completion

For: Erick Ochieng

Introduction to Security and Architecture on AWS

by David Tucker

Duration: 1 hrs 55 min

Completed: Apr 11, 2020

REP ID: 4127



Certificate of Completion

For: Erick Ochieng

Fundamental Cloud Concepts for AWS

by David Tucker

Duration: 1 hrs 23 min

Completed: Apr 10, 2020

REP ID: 4127



CERTIFICATE OF COMPLETION

kaggle

March 7, 2020

Erick Ochieng

has successfully completed the

Geospatial Analysis

Kaggle Micro-course



Alexis Cook, Head of Kaggle Learn

CERTIFICATE OF COMPLETION

kaggle

March 18, 2020

Erick Ochieng

has successfully completed the

Natural Language Processing

Kaggle Micro-course



Dan Becker, Kaggle Instructor



Alexis Cook, Head of Kaggle Learn



Certificate of Completion

For: Erick Ochieng

Living in an IT Team as a Business Analyst

by Heather Mylan-Mains

Duration: 2 hrs 20 min

Completed: Apr 9, 2020

REP ID 4127



Certificate of Completion

For: Erick Ochieng

Putting People First as a Business Analyst

by Heather Mylan-Mains

Duration: 1 hrs 38 min

Completed: Apr 8, 2020

REP ID 4127



Certificate of Training

Presented by the

**National Cybersecurity & Communications Integration Center
Industrial Control Systems
U.S. Department of Homeland Security**

To

Erick Nyagilo

For completion of the following online course:

210W-09 Attack Methodologies in IT & ICS

4/11/20

CEUs Awarded: 0.10

