

Robert Njonjo

Software Developer

Hi, I'm Robert, a software engineer who has a passion for data. I love contributing to open source products and I recently developed a Hate Speech Recognition System for Swahili. I would love to combine my passion for data with my software development skills to continue building personalized products. I have worked on a real-time analysis platform during my work period at Kenya Revenue Authority.

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EDUCATION

DATA ANALYST NANO DEGREE UDACITY

05/2022 - 08/2022

NAIROBI

BSC INFORMATION TECHNOLOGY KABARAK UNIVERSITY

05/2018 - 11/2021

NAKURU

WORK EXPERIENCE

Intern KENYA REVENUE AUTHORITY

09/2021 - 11/2021

NAIROBI, KENYA

Achievements

- Leveraged open source tools to build a real time analytics platform.
- Set up Kafka Streaming service in a test and development environment.
- Set up a real-time analytics demo using Twitter API as a real-time data source.

Contact : Hinga J Murithii - KRA Officer

Junior Software Developer KENYA REVENUE AUTHORITY

01/2022 - Present

NAIROBI, KENYA

Achievements

- Implemented a Realtime analytics platform
- Integrated the real-time analytics platform to existing data stores
- Created visualizations that would communicate relevant business information

Contact : Hinga J Murithii - KRA Officer

SKILLS

Software engineering

Languages: Python, HTML, JavaScript, CSS, PHP, Java.

Database Administration: Oracle, PostgreSQL, MySQL

Data Analysis

OOP: Unified Modelling Language,

Web Frameworks: Django, Flask

Internet Protocols: HTTP, REST APIs

Linux And Unix system knowledge

PROJECTS

HATE SPEECH DETECTION SYSTEM FOR SWAHILI (03/2021 - 09/2021)

- Gathered Tweet data and assessed for quality and tidiness issues
- Cleaned the data using a custom written python script
- Leveraged different ML algorithms to classify a text as Hate Speech or Not and used flask to make the ML algorithms interactable to the user

Photography Portfolio (05/2018 - 07/2018)

- Created a portfolio website for client using HTML, CSS and JavaScript

Data Wrangling Project (05/2022 - 08/2022)

- Gathered Tweet API Json Data using Python Tweepy and assessed the data for quality and tidiness issues.
- Cleaned the master data, stored the data frames into CSV files and visualized the same using python libraries.

Communicating Data Findings Project (05/2022 - 08/2022)

- Used different visualizations to convey the distribution of age against duration and type of user against gender for ford bike rides data