
Natasha Bernard

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Nairobi, Kenya

Profile

Enthusiastic and result oriented Data Scientist with proficient skills in Python and SQL, data analysis and machine learning fundamentals. Experience working with large data sets on projects on sites for data science communities such as Kaggle and Zindi. Passionate about learning new skills and seeking to learn from experienced mentors to grow my skill-set and achieve career growth.

Skills

Python, SQL, Machine Learning , Data Analysis, Deep Learning, Data Cleaning, Statistics, Natural Language Processing, Microsoft Azure, MS Office Software, Apache Spark, Data Visualization, Critical Thinking, Effective communication, Team player

Personal Projects

Credit Card Fraud Detection

- The goal was to create a model that can detect fraudulent activity using bank user information and activity. I used PCA transformed data on which I performed data balancing techniques and fit into classification models. The best performing model was Random forest classification model.

Disaster Tweets

- I created a Logistic Regression model to predict tweets about real disasters and those that are not. I used TfidfVectorizer to transform the text data and fit it on a logistic regression model that attained a ROC AUC score of 0.64.

Bank Churn Prediction

- I created a model to predict whether a bank customer will churn. I used label encoder and standard scaler from the scikit learn library to encode and standardize data respectively. After balancing the data and fitting it into a logistic regression model, I was able to improve the ROC AUC score by 0.11.

Experience

Junior Data Scientist

IntelliSOFT Consulting • Nairobi

09/2022 - Present

- Extracting data, building predictive models, and finding solutions for business problems as part of the data science framework.
- Working with data in various ICL projects to build and deploy machine learning models.
- Performing data extraction, data mining, data visualisation, and predictive modelling using scripting languages such as Python and SQL as required in various ICL projects.

Zindi University Ambassador

Zindi • Nairobi

05/2022 - Present

- Promoting machine learning and AI in Kenya and especially in the University of Nairobi to grow the Data Science community.

- Organizing events with experienced mentors in the field of Data Science and hackathon competitions to promote learning.

Public Relations Officer

Imperio Medical • Nairobi

02/2020 - 05/2020

- Worked with teams to plan and implement PR strategies to grow brand reputation.
- Acquired new clients by scouting for and contacting potential clients.
- Designed strategies to build and maintain positive public image for the institution.

Sales Representative

Eurocollections Limited • Nairobi

02/2019 - 05/2019

- Maintained, verified and reconciled the stock records.
 - Boosted brand awareness through online campaigns.
 - Provided excellent customer care and ensured customer retention.
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Education

Bachelor of Economics and Statistics

The University of Nairobi • Nairobi

12/2022

- Currently awaiting graduation for a Bachelor's degree in Economics and Statistics at the University of Nairobi.

Kenya Certificate of Secondary Education

The Kenya High School • Nairobi

12/2016

- Completed my high school education in 2016 at the Kenya High School with an A-.
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Certificates / Activities

Udemy & Python Profits

- Learnt the fundamentals of python and training machine learning models.

DataCamp

- Acquired skills on data manipulation, data visualization, supervised and unsupervised machine learning, feature engineering, python fundamentals, sentiment analysis and natural language processing.

Udacity

- Learnt the foundations of Machine Learning on AWS.
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Organizations

Google Developer Students Club

- Learning Data Science with other like-minded students and collaborating on solving problems using data and machine learning algorithms.

Zindi

- Collaborating with professionals in the field of Data Science to democratize tech in Kenya and come up with solutions for African problems.
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Languages

English, Kiswahili

References

Dr. George Kapiyo

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Dr. Nelly Nyaga

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