

Professional Summary

Results-driven professional with a strong background in real estate, currently transitioning to the field of data analytics, data science, and machine learning. Pursuing a career in data analytics, leveraging skills and knowledge acquired through studies and practical experience. Passionate about leveraging data-driven insights to make informed business decisions and drive organizational growth.

Education

DATA ANALYTICS PROFESSIONAL TRAINING PROGRAM, AZUBI AFRICA. **December 2022 – November 2023**

I am currently acquiring a wide range of valuable skills in Data Science and Analytics and have gained foundational skills in Excel, SQL, Power BI, Python, and Machine Learning.

Majors: Data Analysis, Data visualization, Data Science and Machine Learning

MICROSOFT POWER UP PROGRAM, MICROSOFT. **May 2023 – August 2023**

Through this program, I am acquiring the skills necessary to create powerful business solutions by leveraging the capabilities of the Microsoft Power Platform

Majors: Power BI, Power Apps, Power Automate, Power Virtual Agents and Power Pages

AI PROGRAMMING WITH PYTHON NANODEGREE, UDACITY (AWS AI & ML SCHOLARSHIP PROGRAM) June 2023 – October 2023

Gaining essential skills in Python programming and libraries such as NumPy, Pandas, Matplotlib and PyTorch, Calculus and Linear Algebra. Working on projects involving image classification and solving real-world problems using Python.

Majors: Data Science, Artificial Intelligence (AI), Deep Learning, Convolutional Neural Networks (CNN), Machine Learning.

APPLIED DATA SCIENCE LAB, WORLDQUANT UNIVERSITY **July 2023 – November 2023**

Engaging in hands-on projects encompassing data science, machine learning, and artificial intelligence, with a focus on constructing predictive machine learning models through working on projects involving natural language processing, image recognition, and time series analysis.

Majors: Data Science, Artificial Intelligence (AI), Machine Learning, Deep Learning

BACHELOR OF REAL ESTATE – The University of Nairobi – Nairobi, Kenya **December 2018**

Majors: Property Valuation and Appraisal, Property Management and Agency.

Skills

Python

Libraries: NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Scipy, Pytorch.

Tools: Jupyter Notebook.

R Programming

Libraries: dplyr, tidyr, ggplot2, caret, glmnet.

Tools: Shiny, RMarkdown.

Power Bi

Tools: DAX, API, Power Query

SQL

Software: SQL Server, MySQL, PostgreSQL

Excel

Tools: Pivot Tables, Pivot Charts, VLOOKUP, HLOOKUP, VBA

Microsoft Power Platform

Components: Power BI, Power Apps, Power Automate, Power Virtual Agents, Power Pages.

Machine Learning

Regression, Classification.

Projects

DATA ANALYSIS USING PYTHON

- Conducted extensive analysis of Indian startup funding from 2018 to 2021
- Leveraged Python and libraries such as pandas, NumPy, Pandas, Matplotlib, Seaborn, and SciPy
- Explored funding patterns, sector-wise distribution, geographical impact, trends over time, and correlations between factors to provide insights into a startup venturing into the Indian Startup ecosystem.

CUSTOMER CHURN PREDICTION: A MACHINE LEARNING CLASSIFICATION APPROACH

- Predicted customer churn in a telecommunications company using machine learning classification
- Followed the CRISP-DM framework for data exploration, feature engineering, model development, and performance evaluation
- Optimized the model through hyperparameter tuning.

YOUTUBE PLAYLIST ORGANIZER USING PYTHON – Personal Project

- Developed a tool to simplify the organization of large YouTube playlists to streamline my learning journey
- Utilized an API for video categorization and tracking progress
- Automated video organization based on subjects to streamline the learning journey

Work Experience

DATA SCIENCE VIRTUAL INTERN – BRITISH AIRWAYS

August 2023 – Present

- Scraping and analyzing customer reviews data from the web and analyzing sentiments to uncover insights for British Airways
- Preparing booking data, training predictive models for predicting customer behavior, and evaluating performance.
- Exploring dataset statistics to uncover patterns and trends, and engineering features to enhance model accuracy.

DATA ANALYTICS VIRTUAL INTERN – KPMG AUSTRALIA

June 2023 – August 2023

- Conducted data quality assessments and targeted high-value customers using customer demographics
- Applied data analytics techniques to extract insights and contribute to customer segmentation strategies
- Created visualizations and data dashboards to present data-driven insights

PROJECT AND FACILITIES MANAGER, MUKONA GEOTECHNICS LTD- Johannesburg, South Africa, and Nairobi, Kenya **March 2019 to March 2021:**

- Planned, coordinated, and controlled day-to-day operations, upkeep, and maintenance of various company facilities.
- Managed leased commercial spaces, budgeted construction projects, and controlled facilities expenditure.
- Prepared maintenance reports and recommendations for repairs and refurbishment.
- Successfully implemented modifications that earned the company's facilities a 4-star sustainability rating.
- Repurposed 12 unused shipping containers into usable commercial spaces in Johannesburg.
- Established the company's facility management consulting department.

Certifications

- [August 2023 - Data Analytics Consulting Virtual Internship, KPMG Australia](#)
- **January 2022 - Certificate in Managing Project Risks and Changes**, Coursera.
- **October 2020 – Certificate in Budgeting and Scheduling Projects**, Coursera.
- **October 2020 – Certificate in Initiating and Planning Projects**, Coursera.

Community Development

May 2023 – Present

Involved in developing initiatives to empower local businesses by leveraging the Microsoft Power Platform. Building Power Apps and Power BI dashboards, providing data analysis for improved decision-making.