

## Professional Summary

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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

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### **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.

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

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

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

## Skills

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### **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

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### **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

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### 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

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- 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.