Christopher Wachira

Data Engineer and Front-end Developer

👤 Profile

I am a dynamic and results-driven data engineer, renowned for my exceptional analytical skills and meticulous approach to processes. With my profound expertise in various database types, research methodologies, and big data management, I possess the ability to captivate employers seeking top-tier talent.

My passion lies in harnessing the power of data to unlock invaluable insights and drive transformative business strategies. From capturing and curating vast volumes of information to conducting intricate analyses, I thrive in transforming raw data into meaningful narratives that empower organizations to make informed decisions. By leveraging advanced manipulation techniques and employing cutting-edge visualization tools, I ensure that data becomes a powerful catalyst for corporate growth and process optimization.

In addition to my prowess as a data engineer, I bring a diverse skill set to the table. Having also worked as a front-end developer, I possess a keen eye for detail and an unwavering commitment to delivering exceptional user experiences. Whether it's crafting captivating websites, web applications, or mobile applications, I excel in creating visually stunning and intuitively functional interfaces that leave a lasting impression on users.

💼 Employment History

Data Engineer, Azubi Africa, Ghana

2022- Present

Corporation Favorita_Gradio App

I developed a Gradio app that collects input from clients and utilizes classification models to classify the churn rate among customers in a previous project. The project focused on predicting customer churn likelihood using logistic regression, decision tree, random forest, and gradient-boosted tree models. By identifying key indicators of churn and implementing effective retention strategies, the project held significant importance in helping the organization understand the reasons and timing behind customer churn. This enabled targeted initiatives to retain customers and make informed business decisions.

Corporation Favorita_Streamlit App

I developed a Streamlit app that utilizes the insights gained from a previous project focused on accurately predicting store sales for Corporation Favorita, a grocery retailer in Ecuador. The app collects input from the client and utilizes regression models such as linear regression and random forest to optimize sales forecasting accuracy. This interactive tool provides valuable insights for informed decision-making, guiding inventory management, promotions, and overall business strategies.

Vodafone Classification Project

In the Churn rate project at Vodafone, the objective was to develop classification models that determine the likelihood of customer churn. By using logistic regression, decision tree, random forest, and gradient-boosted tree models, the project aimed to identify key indicators of churn and devise effective retention strategies. This project holds great significance as it enables the organization to understand the reasons and timing behind customer churn, allowing for targeted initiatives to retain customers.

Corporation Favorita Regression Project

In this project for Corporation Favorita, a grocery retailer in Ecuador, the focus was on accurately predicting store sales. Through the exploration of regression models like linear regression and random forest, the objective was to optimize forecasting accuracy. By leveraging the strengths of these models, the project aimed to provide valuable insights for informed decision-making regarding inventory management, promotions, and overall business strategies.

Funding for Indian Startup (Exploratory Data Analysis)

Through an engaging project, I delved into the Indian startup ecosystem to appraise its dynamics. With a focus on funding trends, prominent investors, and hot fields, I conducted a comprehensive exploratory data analysis (EDA). This data-driven exploration provided invaluable insights into the types of startups receiving funding, key investors driving growth, and notable increases in funding between 2018 and 2021. By uncovering these insights, I contributed to a deeper understanding of the Indian startup scene, enabling informed decision-making for future opportunities.

Details

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Date of birth
22/04/1994

Links

Chris Wachira

Skills

Python

SQL

Exploratory Data Analysis (EDA)

Data Cleaning

Machine Learning

Power BI

HTML

Java Script

CSS

Business Intelligence

Google Analytics

Advanced Excel

Power Query

Tableau

Leadership

Time Management

Team Work / Collaboration

Communication

Languages

English

Hobbies

Playing Chess, and Scrabble, Reading, Swimming, and Football

💼 Employment History

Developer, Safari Cargo, Nairobi

2021- Present

    In my current role, I provide comprehensive IT support to Safari Cargo, ensuring their systems run smoothly and efficiently. Additionally, I have developed a customized bulk SMS system for the company, enabling effective communication with their clients. Currently, I am taking on the role of a project manager and developer, leading the creation of a B2B e-commerce platform. This multifaceted role allows me to leverage my technical expertise and project management skills to drive the successful development and implementation of the platform, catering specifically to the business-to-business market.

Freelance Data Analyst and Developer, Nairobi

2020 - 2021

    As a freelance writer and developer, I bring a diverse range of skills to the table. With expertise in web development, I successfully created the Caico Travel website, demonstrating my technical proficiency. Additionally, my strength lies in market research and report writing, allowing me to deliver insightful and engaging content to clients. As a project manager, I effectively utilize my understanding of customer expectations and market needs to ensure project success from planning to conclusion. With a keen eye for detail and a dedication to delivering high-quality work, I offer a well-rounded skill set that enables me to excel in various aspects of freelance work.

June 2018 — April 2020

    With a strong foundation in data analytics, I possess the skills to conduct data mining, data modeling, statistical analysis, business intelligence gathering, trending, and benchmarking. These abilities enable me to extract meaningful insights from complex datasets and provide valuable information for decision-making. By leveraging data analytics techniques, I support high-priority enterprise initiatives such as IT and product development, customer service improvement, organizational realignment, and process re-engineering. My expertise in data analytics empowers me to contribute to strategic decision-making processes and drive positive outcomes across various aspects of an organization.

🎓 Education

BSc. (Mathematics and Computer Science), Kenyatta University, Nairobi

September 2013 — May 2018

📖 Courses

Data Science, Azubi Africa

September 2022 — Present

Python, Analytics Vidhya

June 2018 — August 2018

SQL, Analytics Vidhya

August 2018 — October 2018

Google Analytics, Google Analytics Academy

January 2020 — April 2020

Business Intelligence, Udemy

March 2019 — June 2019

Project Management Professional, Udemy

May 2021- September 2021

References

Peter Mwangi Nyutu, Parastatal Head, Office of the Vice President

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Elizabeth Mbugua, Manger, Safari Cargo

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Aaliyah Bain, Manager, Caico Travels

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