

JACINTA MUKII

PERSONAL DETAILS

PHYSICAL ADDRESS
65766-00607 Nairobi Kenya.

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+254 715545870

EMAIL
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GITHUB PORTFOLIO
<https://github.com/JacintaMukii>

Explore a variety of Data Science projects with comprehensive outlines using the link above.

Key Skills

Web Development basics -
HTML and CSS

Data analysis and engineering -
Python

Database management and
manipulation -
NoSQL, MySQL

Version control system and
source code management - GIT

API Integration

R programming

REFERENCES

Chelsea Wambua
Head Of Finance Duhqa

TEL: +254704926413

Mercy Chemweno
Accountant Mbaya and Associates

TEL: +254701511993

Irene Ng'endo
Software Engineer Kenya Airways

TEL: +254707028159

LANGUAGES

English - Advanced professional

Swahili - Advanced professional

French - Basic

FINANCE AND DATA SCIENCE PROJECTS

<https://github.com/JacintaMukii>

Swahili Audio prediction program. (Automatic Speech Recognition, ASR, project)

- ❖ Developed an automated system for converting basic Swahili audio files into written text using speech recognition technology, that is, transcription of Swahili audio files.

Real-Estate Market Trends (time series prediction)

- ❖ Leveraged time series modeling by providing consultancy for a real-estate investment firm with actionable insights and forecasts pertaining to real estate price dynamics in various zip codes in USA.

Machine-Learning approach for informed public health intervention (logistic regression, KNN)

- ❖ Predicted the likelihood of individuals receiving their seasonal flu vaccines to help in understanding flu vaccine hesitancy so as to help design effective interventions

Predictive Modelling for home renovations (Simple & multiple linear regressions)

- ❖ Offered homeowners expert guidance on leveraging home renovations to enhance the estimated value of their properties.

Analyzing film industry data (Exploratory data analysis)

- ❖ Used data from (box-office, rotten tomatoes, IMDB etc.), to strategize and advise on exploring the movie studio industry.

Portfolio Optimization program

- ❖ Constructed an optimal portfolio of stocks listed in the Nairobi Securities Exchange (NSE) during Covid - 19 pandemic.

EMPLOYMENT HISTORY

Data Analyst intern - Elevolt Ltd.
Sep 2023 - Present

Nairobi

- ❖ Data Collection - Integrating Web Analytics (i.e., Google analytics) & use of API integration to collect data from the interactions.
- ❖ Data cleaning and preprocessing using pandas.
- ❖ Exploratory data analysis - visualization of the data (using matplotlib, seaborn, tableau).
- ❖ Machine Learning to develop and implement models that enhance data-driven decision making.

Accounting and Auditing Intern - Mbaya and Associates
Oct 2021 - Oct 2022

Nairobi

- ❖ Experience in the use of ERP systems (Microsoft Dynamics Navision, QuickBooks, Case Ware, I-tax, Nitro-pro).
- ❖ Financial analysis and reporting
- ❖ Recording financial transactions and reconciling accounts in accounting software to generate financial statements in accordance with GAAP
- ❖ Verification of data integrity
- ❖ Accountancy and bookkeeping.

Financial Engineer Attaché - Njemuwa Investments Ltd.
Jan 2021 - Oct 2021

Nairobi

- ❖ Portfolio optimization by assessing risk - return profile of various assets and recommending adjustments
- ❖ Conducting quantitative risk assessments for real estate projects and identifying potential risks associated with commercial real estate transaction.
- ❖ Developing key performance indicators and measures, monitoring and reporting on financial performance of real estate assets.
- ❖ Contributing to preparation of quantitative presentation for clients, investors and stakeholders, clearly communicating complex financial analyses in simple terms.

EDUCATION HISTORY

Professional Data Science Certification - Moringa School

Nairobi

Financial Modeling and Valuation Analysis - ALX

Remote

Bachelor of Science in Financial Engineering - Jomo Kenyatta University of Agriculture and Technology

Kiambu