





Dennis Mwendwa

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PROFESSIONAL SUMMARY

Innovative and zealous programmer seeking to leverage extensive background in data analysis and trends. Proficient in Python programming, I have successfully developed and maintained scalable and efficient software applications. Demonstrated strong problem-solving skills by implementing optimized algorithms and data structures in Python, significantly improving system performance. All in all, I am a one that is conversant with new and emerging technologies that tend to benefit me in the various endeavours that I undertake within the tech space with a current peak interest in back-end development.

EDUCATION

Primary School Education <i>Kenya Certificate of Primary Education(K.C.P.E)</i> Whitestar Academy, Nairobi, Kenya	January 2006 - June 2016 <i>GPA: 404/500</i>
Secondary School Education <i>Kenya Certificate of Secondary Education(K.C.S.E)</i> Nairobi School, Nairobi, Kenya	January 2017 - April 2021 <i>GPA: A-</i>
Undergraduate Education <i>B.Sc. Computer Science</i> Jomo Kenyatta University of Agriculture and Technology	September 2021 - Current

SKILLS

Languages: C, Python, SQL, PhP HTML/CSS, \LaTeX
Tools: Git/GitHub, Unix Shell, VS Code, MySQL Workbench, IntelliJ CLion/PyCharm/IDEA, IBM Cognos, Excel, Power BI
Fields of interest: Data Analysis and visualization, Data Science, Back-end Development, Artificial intelligence

PROJECTS

Analyzed Kenya Data | *Jupyter Notebook ,HTML, Git,VS Code*

- Extracted Kenya's 2019 census data from KNBS
- Performed comparative and descriptive insights and visualized the Kenya 2019 census data
- Cleaned and transformed Kenya's weather data from 1991-2016, providing quality data
- Identified correlations and applied statistical methods to find the best fit model for average data across the years
- Analyzed Stock Prices from Historical Data (NSE from 2007 - 2012) to understand patterns, predict future movements, and make data-driven investment decisions.
- Predicted the closing price of stocks based on key predictors using ML techniques
- Exported the Jupyter Notebook file to HTML to allow interactive visualizations to be seamlessly integrated with the code and analysis

Analyzed Personal Spotify and Apple Music Data | *Power BI ,Excel*

- Extracted personal Spotify and Apple Music data
- Cleaned and transformed raw data into useful information
- Created interactive dashboards providing comparative and descriptive insights
- These dashboards were designed to be dynamic, offering tailored insights at a glance, demonstrating proficiency in Power BI's advanced visualization and data modeling capabilities.
- Applied DAX queries to create calculated measures and columns, enabling insights such as most-streamed genres, artists, and time-based listening patterns.

Chama App | *Python, C, XAML, .NET Framework, APIs (Google), Git, VS Code*

- Collaboration project for a sacco management system
- Developed python SMTP scripts that enable email automation increasing efficiency and time saved
- Learned how to connect to gmail servers and use databases in conjunction with Google APIs
- Generated reports - individual member and sacco reports

CERTIFICATIONS

Microsoft Certified: Azure Fundamentals: Microsoft

Introduction to Data Analytics: Coursera

Data Analysis with Python: Freecodecamp

Excel for Data Analysis: IBM

Data Visualization and Dashboards with Excel and Cognos: IBM

Alteryx Foundational Micro-Credential: Alteryx

International Computer Drivers License - Level One (ICDL): ICDL Africa

HOBBIES

Playing the Drums: Played the drums Primary and Highschool marching bands

Photography: Always had a passion for the art of photography. Adept in photo editing using Adobe Lighroom

Travelling: I enjoy the sense of adventure and excitement that comes with exploring new places

Art: Whether drawing, painting or any other creative expression