

NAME: Denis Chomba Mwai.

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CITY: Embu-Kenya.

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SEX: Male.

NATIONALITY: Kenyan.

INTODUCTION AND CAREER OBJECTIVE.

Developing and establishing my career in a conducive and challenging environment, to be able to exploit my full potential and capabilities where my qualifications, knowledge and experience will be an asset to the organization as well as to transform livelihoods in the real world.

ACHIEVEMENTS.

- A member of MMUST **MATHEMATICS AND STATISTICS ASSOCIATION** group which have impacted my skills in teaching students statistical software like R, EXCEL, SPSS, STATA, POWER BI and other skills for data collection like ODK, QUESTIONNAIRE DESIGN.
- Used python (Django package) to design and develop web app for e-commerce enterprise which is still in development stage.
- Trained in online Allison data analysis training program and got certified in STATA program.
- Trained in ALX Africa data analysis program.
- Did a project in lung cancer data modelling in time series ARIMA.
- Used python, Oracle-suit-8 and MS SQL to manage and Integrate ERP systems in Golf Hotel Kakamega.
- Used CNNs machine learning to develop a model that helps in research work in Agriculture,---that's phenotypically classify plants species eg we used beans leaves network venation to classify and analyze different associated diseases and viruses(Under Mentorship of Scientist Shadrack Imai Odikara – kalro kakamega).

EXPECTATIONS.

1. To engage in projects that are aimed at livelihoods transformation.
2. Become a specialized and reliable officer in multidisciplinary applications of my qualifications.
3. To exercise my self-driven, result oriented, eager team player with the ability to work under any Conditions to effectively and

efficiently deliver quality and quantity performance characters in the Industry

SKILLS AND EXPERTISE.

1. R, STATA, Excel, SPSS, Power BI and python for data entry and analysis
2. Data collection and survey: Questionnaire design for data collection through ODK.
3. Skilled in C, C++, HTML, JAVASCRIPT, Angular, Vue, React, MS SQL and python (Django package) web app, designing APIs and DATABASE management.
4. Familiar with ORACLE suit-8 for Hospitality for reservations and management.
5. Data story telling for decision making and problem solving.
6. GIS mapping and data visualization
7. Advanced statistical modeling and data analytic ie in ARIMA.
8. AI skill.

RESEARCH AREAS OF INTERESTS: Mathematical Statistics, Sample Survey, Spatial Data Modelling and Analysis, Survival, Business and Econometrics, Information Technology Application, advancement and Integration, Time Series Data Modelling and Agricultural Research Design and Analysis Modelling.

EDUCATION.

➤ **2021 – 2025:**

Graduated on 5th December 2025 with BSc in Applied (Statistics with Information Technology) at Masinde Muliro University of Science and technology .

Relevant Modules.

- Human Computer Interaction (89%)
- Data analytics techniques and modelling (55%)
- Research and Data collection (70%)
- Understanding information systems (90%)
- Information security (67%)
- General social Aspects (88%)
- Web App design and Integration (64%)
- Teamwork and capacity building (79%)
- Customer – Client relation (80%)

➤ **2018 – 2019:** I Joined Murinduko Secondary School form 3 to form 4 and attained **B plain** of 63 points in K.C.S.E.

➤ **2016 – 2018:** Joined Mutige Boys High School where I left due to financial constraints.

➤ **2006 – 2015:** Join Kiaumbui Primary School where I attained **308 marks** in K.C.P.E.

➤ **2005 – 2006:** Joined **E.C.D** class.

WORK EXPERIENCED.

- Worked in security ICT department Golf Hotel Kakamega for two and half year.
- Got attached at NRI-KALRO Kakamega and continued working there until currently. I have scientifically and statistically impacted a lot to the success of various projects as indicated in my recommendations that aided in policy making and improvements.

HOBBIES.

- Research
- Recreation
- Programming.
- Inventing new ideas.

REFEREES.

Virginia Githinji	Former principal.	0735423486
Madam Beatrice	My jurisdiction area chief.	0706107074
Dr. Ojiema	My lecturer MMUST.	0710469974

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