MILIONG CHRISTINE ARENG

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MONITORING AND EVALUATION | DATA & AI | ML | DL | QUANTUM COMPUTING | CSR | VA

PROFESSIONAL SUMMARY

Data Scientist and AI Specialist with advanced training in Data Analytics and Artificial Intelligence through the Cyber Shujaa Lab where I handled Intensive training in data science, machine learning, and AI applications
portfolio: https://www.datacamp.com/portfolio/arengchristine.
I Combined a Bachelor's degree in Mathematics with a Master's in Monitoring and Evaluation to deliver data-driven solutions with measurable impact. Proficient in Kobo Toolbox, Advanced Excel, Python, SQL, R-programming, Tableau, PowerBI, machine learning, deep learning, and quantum computing applications. Skilled at transforming complex datasets into actionable insights through rigorous analytical frameworks and advanced statistical methodologies.

EDUCATION

KINGDOM OF LIFE CHRISTIAN UNIVERSITY | COLOMBIA, SOUTH CAROLINA   **2024-2025**
Master of Arts in Monitoring and Evaluation. *Relevant Coursework*: Program Evaluation Methodologies, Quantitative Research Methods, Data Analysis for Evaluation, Impact Assessment

UNIVERSITY OF NAIROBI | CHIROMO CAMPUS   **2017-2021**
Bachelor of Science (Mathematics). *Relevant Coursework*: Statistical Methods, Linear Algebra, Calculus, Discrete Mathematics, Probability and Operation Research.

CHOGORIA GIRLS HIGH SCHOOL 2013-2016 Kenya
Certificate of Secondary Education.

ISIOLO BARACKS PRIMARY SCHOOL   **2013-2016**
Kenya Certificate of Primary Education.

EXPERIENCE

Monitoring and Evaluation Assistant | Northern Rangeland Trust   **2023-2024**
- Conducted statistical tests for decision support
- Cleaned and preprocessed data
- Collaborated on Impact Assessment Methodologies
- Designed interactive dashboards for real-time program performance tracking
- Automated reporting systems reducing manual effort by 70%
- Developed machine learning models for prediction

Customer service Representative | Solar Panda   **2022-2023**
- Improved product recommendations and increased sales
- 80% FCR-first call resolution and 90% CRM capture.
- Reduced fraudulent charges by 50%
- Increased customer retention by 20%

Research Assistant | Mercy Corps/FCDC ,Ministry of Agriculture   (part-time)**2022-2025**
- Data sourcing from field work and web scrapping.
- Data entry in Kobo toolbox and cleaning in excel.
- Scheduling meetings with supervisors,elders and communicating with data participants
- Editing & Proofreading: Reviewing presentations for clarity, grammar, and formatting.
- Drafting Sections: Writing parts of methodology, literature review, or creating tables/figures.

Technical skills

Programming and Data Science
- **Languages:** Python, R, SQL, SAS, SPSS, Stata
- **Python Libraries:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PyTorch, Keras,
- **Machine Learning:** Supervised Learning, Unsupervised Learning, Deep Learning, Neural Networks, Natural Language Processing, Predictive Modeling,
- **Data Visualization:** Tableau, Power BI, ggplot2, Plotly, Dash
- **Database Management:** MySQL
- **Quantum Computing:** Qiskit, Quantum Algorithm Development, Quantum Machine Learning
- **Statistical & Analytical Tools:** Advanced Statistical Analysis**,** Time Series Analysis**,** Hypothesis Testing**,** Regression Analysis**,** Data Mining**,** ETL Processes**,** Data Validation & Quality Assurance
- **Monitoring & Evaluation:** Results-Based Management, Logical Framework Approach,Performance Metrics Development, Data Collection Instrument Design, Quantitative & Qualitative Analysis

Soft skills

- Management
- Problem solving
- Communication
- Leadership