GEORGE SICHINGA

Data Scientist | Climate Modeling Specialist | Machine Learning Engineer

 github.com/GeorgeSichinga   georgesichinga31@gmail.com
 linkedin.com/in/george-sichinga

PROFILE

Innovative data scientist with specialized expertise in climate and environmental analytics coupled with an Agricultural Economics background. George blends technical expertise with domain knowledge to develop machine learning solutions that turn complex datasets into actionable insights, particularly in addressing critical ecological challenges.

TECHNICAL EXPERTISE

Core Languages	Python (NumPy, Pandas), R, SQL, Java, C++
Machine Learning	Predictive Modeling, Time Series Analysis, Geospatial ML
Data Tools	Git, Docker, Tableau, Jupyter, TensorFlow
Domain Knowledge	Climate Science, Environmental Analytics, Sustainability

Field Supervisor | CARD LUANAR

Led team of 14 researchers in data collection and analysis for the Namis Farmers Census
Successfully completed project with 93% implementation rate

Co-Founder | Bunda Economics Association Research Team (est. 2023)

Established research team focused on economic and climate data analysis for the undergrad Economics students
Organized interdisciplinary research projects with 30+ student participants

M&E Intern | SDE Consultancy

Automated impact assessment reports using R, reducing analysis time by 40%
Designed interactive dashboards for program performance tracking

KEY ACADEMIC PROJECTS

Sleep Disorder Prediction (with Taonga Kacheche)

Compared SVM, KNN, and Decision Trees to identify Logistic Regression as optimal model (Python)
Achieved 87% accuracy in classifying sleep disorders from physiological data

Tomato Leaf Disease Detection (with Biswick Jeremiah)

Developed CNN model that converged at epoch 60 (Python, TensorFlow)
Provided GPU optimization recommendations and data quality guidelines
System reduced disease misclassification by 35% compared to manual inspection