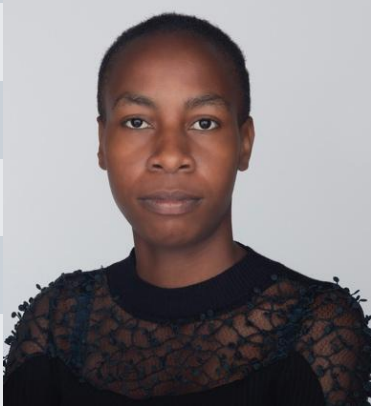


Angela Nyangate John

Scientific Researcher



Contact Info

 Campus E 1.7, R 3.03
66123 Saarbrücken

 +49 0681 302 70787

 ajohn@cs.uni-saarland.de

Languages

English - Fluent

Swahili - Fluent

Personal Info

Date of Birth: 23.01.1995

Nationality: Kenyan

Interests

Reading Research Journals and Publications on Data Science and Climate Change

Exploring Applications of Machine Learning in Sustainability and Environmental Challenges

Engaging in Community Projects Focused on Climate Action and Reforestation

Participating in Hackathons and Data Science Competitions

Staying Updated on Current Global Affairs

Travelling and Adventure

PROFILE

Data Scientist/Statistician with 2+ years of experience developing and deploying statistical models, particularly in financial contexts, to drive actionable insights and address complex business challenges. Experienced in predictive modeling, regression analysis, and remote sensing analysis, in delivering solutions in carbon offset markets and reforestation projects. Passionate about leveraging data-driven approaches to tackle climate change, particularly in Kenya and other vulnerable regions. Combining my education background and research experience, I specialize in creating targeted, practical solutions that bridge data insights with real-world impact.

EDUCATION

Saarland University Since 04/2024
PhD in Computer Science
Tentative Thesis: Reforestation and Carbon Offset Monitoring with Remote Sensing

Saarland University 04/2023 -03/2024
PhD Preparatory Phase
Major Courses:

- Data Science
- Machine Learning
- Image Processing
- Computer Vision

African Institute for Mathematical Sciences (AIMS) 03/2018-04/2020
Master in Mathematical Sciences (Data Science)
Thesis: Credit Risk analysis using Machine learning algorithms
Major Courses:

- Big Data and Machine Learning with both R and Python languages
- Statistical Modelling
- Optimization
- Operations Research
- Financial Mathematics

Kenya Accountants and Secretaries National Examination Board (KASNEB) Since 12/2018
Certified Public Accountants (CPA)
Major Courses:

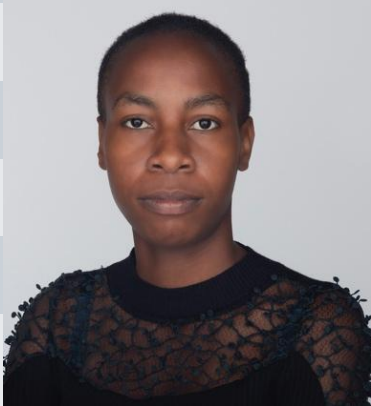
- Financial Accounting
- Management Accounting
- Public Finance and Taxation

South Eastern Kenya University (SEKU) 01/1994 -02/2018
Bachelor of Science in Statistics
Grade: First Class Honors
Major Courses:

- Probability and Statistics
- Multivariate Analysis
- Computational Methods and Data Analysis
- Operation Research
- Bayesian Inference
- Decision Theory

Angela Nyangate John

Scientific Researcher



References

Prof. Ingmar Weber
AvH Professor for AI
✉ iweber@cs.uni-saarland.de

Prof. Ernst Fokue
Associate Professor
✉ epfeqa@rit.edu

Professional Training and Certificates

Microsoft
Data Analyst Certificate (Distinction)

Cognitive Class IBM initiative
Certificate in Computer Applications (Distinction)
Major Courses: Machine Learning
Global Hi-Tech Computer College

Leadership Activities and Awards

MasterCard Scholarship
Fully-Funded Scholarship to Pursue Master's Degree

Team Lead
Led Interns Deployed to Coffee Service Management

WORK EXPERIENCE

Interdisciplinary Institute for Societal Computing Since 04/2024
Scientific Researcher
Duties and Responsibilities:

- Leading climate change and forestry research
- Analyzing reforestation monitoring geospatial data and generating Vegetation Indices in google earth engine.
- Extracting and analyzing climate and biomass raster data for vegetation change forecasting

Cooperative University of Kenya 09/2020 - 03/2023
Statistics and Programming Tutor
Duties and responsibilities: Lecturing Statistics
Major Courses:

- Statistical Programming with Python and R
- Probability and Statistics
- Multivariate Analysis
- Applied Machine Learning
- Design and Analysis of Experiments and Optimization

Bluechip Technologies Limited 09/2019 - 02/2023
Data Scientist
Duties and Responsibilities:

- Using Statistical Machine Learning and Data Mining techniques to develop models used for forecasting different product sales and yields of various qualities with higher accuracy rates.
- Field Inputs Modeling with Optimization and Machine Learning techniques to help reduce the firm's operational costs while maintaining higher yield rates.
- Analyzed and interpreted all data for the companies and extracted relevant decisions.

KEY COMPETENCIES

Programming Languages:	Python, C++, SQL, Java Script, and R https://github.com/anj000004/Forest_change_detection
Data Skills:	Data Exploration, Data Mining, Data Analysis, and Data Modeling
Remote Sensing:	Google Earth Engine, QGIS, Satellite Images Processing and Analysis, GDAL
Statistics Packages:	STATA, SPSS, SAS, and STATISTICA
Leverage Machine Learning and Artificial Intelligence (AI) Apply Math and Statistics Appropriately Write Efficient and Maintainable Code Leverage Self-Service Analytics Platforms Prepare Data for Effective Analysis Intellectual Curiosity	