

KEHINDE DAMILOLA AKINDELE

Data Analyst | Python · SQL · BI | Geospatial Intelligence | AI for Sustainability

PROFESSIONAL SUMMARY

Data-driven analyst & Geospatial data scientist with over five years of hands-on experience transforming complex sustainability, remote sensing and environmental data into automated reporting pipelines and operational decision tools across climate, agriculture, and supply chain domains. I specialize in building Python-based geospatial pipelines, automating risk detection using Google Earth Engine, Google cloud and translating satellite analytics into actionable sustainability insights. Proven ability to design scalable workflows using cloud infrastructure (GCP, Vertex AI) and deliver machine learning models for forest disturbance and deforestation monitoring. Passionate about applying spatial intelligence and AI to sustainable land management with a strong foundation in statistical analysis, data visualization, and cross-functional collaboration.

Details

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CORE TECHNICAL SKILLS

- **Programming & ETL:** Python (Pandas, NumPy), SQL (PostgreSQL, BigQuery), GCP, Vertex AI
- **Cloud & Automation:** Vertex AI, Google Cloud, ETL pipelines, QA/QC automation
- **AI Integration:** Applied ML models for geospatial classification; familiar with ethical AI risks and opportunities
- **Business Intelligence:** Power BI, Jupyter, Excel, StoryMaps
- **Data Analytics:** KPI analysis, benchmarking, impact metrics, time series, regression
- **Technical Communication:** Tools, training, external publications
- **ESG Risk & Compliance:** Deforestation detection, biodiversity metrics, EUDR alignment
- **Remote Sensing & Geospatial ML:** GEE, ArcGIS, QGIS, satellite & LiDAR processing
- **Visualization & Reporting:** Power BI, StoryMaps, dashboarding for decision-makers
- **Collaboration:** Agile/scrum teams, cross-functional facilitation, proposal writing

SELECTED ACHIEVEMENTS

- Automated Python/SQL ETL workflows to integrate emissions and deforestation datasets, reducing manual processing time and improving reporting quality.
- Created interactive Power BI dashboards to surface sustainability KPIs, enabling business stakeholders to act on biodiversity and deforestation risk insights.
- Designed metrics-based tools to monitor EUDR compliance, used by commercial and ESG teams to assess supply chain exposure.
- Developed insights from spatial and regulatory data to support due-diligence conversations with clients and government partners.

- Applied Random Forest models to forest disturbance classification in Peru, validating carbon loss from satellite time series (MSc thesis).
- Designed verification dashboards for EUDR-aligned compliance screening used by global agribusiness clients.
- Created ML-ready datasets from multispectral imagery, improving model performance in biodiversity risk mapping.
- Co-authored articles and designed geospatial tools to improve land-use detection and responsible sourcing in South America.
- Recognized with Sustainability Champion Award at ESA's Living Planet Symposium.

EMPLOYMENT HISTORY

Sustainability Analyst & Marketing Specialist at MosaiX, Rotterdam

January 2025 — Present

Key accomplishments:

- Developed Python/Earth Engine workflows and verification applications to identify deforestation-linked emissions risks across soy & coffee supply chains.
- Developed carbon emission tracking application for Sabah region in Indonesia.
- Provided market, regulatory, and risk insights that inform client sustainability strategies, proposals, and thought-leadership content.
- Translated technical analyses into tools, trainings, and materials used by non-technical stakeholders (sales, product, partners).
- Attended conferences on sustainable sourcing for coffee to align with industry best practices and buyer expectations.
- Authored articles on sustainable soy practices (Gran Chaco, Mato Grosso) and co-developed geospatial tools for deforestation detection.

Sustainability Analyst at Bunge Loders Croklaan, Zaandam

January 2023 — December 2024

Key accomplishments:

- Tracked and reported sustainability metrics, including biodiversity data, ensuring compliance with European regulations.
- Automated geospatial risk pipelines in Python, ArcGIS, and GCP for EUDR-aligned reporting.
- Created spatial decision dashboards in ArcGIS StoryMaps for internal sustainability teams
- Automated ETL (Python/SQL) integrating emissions and deforestation datasets; improved data quality and reporting throughput.
- Used Google Earth Engine and internal ESG datasets to monitor supply-chain risk and EUDR compliance; supported due-diligence and decision-making.
- Built executive dashboards for biodiversity, deforestation, and carbon KPIs; aligned global stakeholders on methods and datasets.
- Attended Sustainable Palm Oil Dialogue (SPOD) and RSPO conferences focused on sustainable sourcing and industry alignment.

- Developed an automated data integration and analysis processes on vertex AI workbench in Google cloud (GCP) for deforestation monitoring significantly improving data quality and processing time.
- Collaborated with cross-functional teams to gather accurate data for sustainability reporting, ensuring compliance with environmental regulations.
- Created data visualizations to effectively communicate complex geospatial analysis results to stakeholders using story maps in ArcGIS online.

Geospatial Consultant (Academic Project)

Geographical Information System Academic Consultant, Amsterdam

April 2021 — June 2021

Key accomplishments:

- Designed and validated machine learning models to monitor land-cover dynamics in agroforestry systems.
- Processed satellite imagery (Sentinel-2, Landsat) using GEE, ArcGIS pro and Python.

EDUCATION

Wo Master Geo-Information Science, Wageningen University and Research, Wageningen

August 2020 — October 2022

- Focus: climate risk, remote sensing (SAR & multispectral), ML, Python/SQL, Geoscripting.
- **Thesis:** Comparative assessment of forest disturbance alerts in Peru using GEE, ArcGIS, and Python.
- Specialization in climate risk assessment, remote sensing (SAR & multispectral), atmospheric spectroscopy and machine-learning classification.
- Focused on climate risk assessment, data management, and remote sensing using Python, SQL, and geospatial analysis tools.
- Applied Random Forest & statistical validation to estimate forest carbon loss from satellite imagery.

Bachelor of Technology in Forestry and Wood Technology, Federal University of Technology, Akure

September 2014 — September 2019

- Relevant Coursework: Climatology and Biogeography, Information retrieval, Remote Sensing, Introduction to Geographical Information system (GIS), Application of Geographical Information Systems in Forestry, Forest Mensuration, Forest Biometrics, Environmental Impact assessment of forest projects.
- Conducted carbon stock assessments and ecological field studies
- Conducted fieldwork on the ecological assessment of Nigeria's vegetation.

PROFESSIONAL AFFILIATIONS

Member, Palm Oil Collaboration Group (POCG)

January 2023 — Present

- Actively participate in discussions and initiatives aimed at promoting sustainable palm oil practices and biodiversity conservation.

INDUSTRY ENGAGEMENT

- Palm Oil Collaboration Group – (Member)
- Sustainable Palm Oil Dialogue – (SPOD)
- RSPO Conference – (Participant)
- Sustainable Sourcing in Coffee Conference – (Participant)

CERTIFICATION

- Greenhouse Gas Protocol – Scope 2 certificate (2025)
- CSRD fundamentals certificate- CSRD Institute (2025)
- ESRI GIS Training for Spatial Analysis (2019)

AWARDS AND RECOGNITION

Sustainability Champion Award (Living Planet Symposium, 2022)

- Recognized for outstanding contributions to sustainability initiatives and impactful data-driven solutions.

TRAINING

Voiz Academy — Certification courses (in progress)

- ESG Analyst
- Climate Policy Analyst
- Decarbonization Analyst
- Sustainability Analyst
- Climate Consultant
- Climate Disclosure Analyst

CORE SKILLS & TOOLS

- **Geospatial & Remote Sensing:** Google Earth Engine, ArcGIS, QGIS for land use/cover and deforestation risk analysis.
- **EU sustainability compliance exposure (incl. EUDR):** Deforestation & biodiversity risk screening.

- **Advanced Data Analysis:** Proficient in Python, SQL, R, and VBA, with extensive experience in developing, optimizing, and implementing complex data methodologies.
- **Market & Client Insights:** Supply chain risk assessment, trend reporting, sustainability narratives for commercial teams.
- **Certifications & Compliance:** Hands-on exposure to EU requirements (EUDR) and audit-ready data processes.
- **Data Engineering & ETL:** Python, SQL, Google Cloud (Vertex AI, GCS); automated QA/QC with Great Expectations.
- **MS Office:** Excel, Word, PowerPoint.
- **Data Management & Automation:** Proficient in Python, SQL, and data management workflows, with transferable skills that can quickly be applied to tools like SAS for advanced risk modeling and analysis.
- **Impact & Product:** Experience creating carbon-emission methodologies and screening product/supply risks.
- **Stakeholder Engagement:** Proposal writing, sustainability communication, cross-team facilitation.
- **Regulatory Compliance:** Familiar with global sustainability guidelines and compliance standards, including EUDR and other EU regulations.
- **Project Management:** Strong background in overseeing projects, providing guidance and instruction to teams, and ensuring alignment with strategic goals.
- **Communication:** Wrote external articles and delivered trainings; comfortable with non-technical audiences.
- **Collaboration:** Remote teamwork across Europe & Asia; process documentation; agile/scrum experience.
- **Language Skills:** Fluent in English (written and spoken) and basic proficiency of the Dutch language.