

GODSGIFT E. BRAIMAH

Senior Data Scientist | Data Analyst | AI Educator | AI Engineer

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PROFILE

I got into data the unglamorous way: learning early that bad data doesn't fail loudly, it just gives confident wrong answers. Six years later I build the things people get excited about (RAG systems, agentic workflows, models that actually ship) and teach people who have never written a line of code to build them too. I've taught 550+ learners directly, held open sessions of 1000+ people, recorded a 50-video course, led a data science division and founded an AI education foundation for children, mostly because I can't leave a problem alone, and a confusing explanation counts as a problem.

I'm skeptical of hype and devoted to understanding. A model is an opinionated function; the data is the argument. So, I care less about which tool is fashionable and more about whether you can explain why the result is true, and I'd rather leave a learner able to ask that question than able to recite syntax. (Yes, I've read the LLM headlines. I still believe in the train/test split.)

I move between engineering and teaching without a gear change: building a secure application in the evening, translating cross-validation to a beginner the next morning, and using the first to improve the second. That is the job I want: **making hard things buildable and understandable at the same time.**

EDUCATION

Sep 2025 – Nov 2026 | University of British Columbia
Master of Data Science
Grade: 93.6 / 100

Sep 2016 – Dec 2022 | University of Benin
Bachelor of Structural Engineering
Grade: 3.84/4.00

WORK EXPERIENCE

AI Engineering Mentor & Technical Lead (Volunteer, Part-Time)
TAG Ecosystem: AI Engineering Bootcamp, Cohort 1

September 2026 – November 2026
Remote

- **TAG Ecosystem** is a non-profit, community-driven learning ecosystem building Africa's AI talent pipeline through structured education, mentorship and research. Its 12-week AI Engineering Bootcamp works as a workplace simulation: 30 builders in five mentored teams diagnose real industry problems, ship deployed AI products, peer-review each other's code and defend their decisions at scored Demo Days.
- Served as technical lead (acting CTO) for a six-person team, setting direction, guiding architecture, reviewing code and preparing the team to demo and defend their work. The principle is to guide rather than do: I raise the quality bar without writing the builders' code.
- Led the team to 3rd place on two projects and 1st place on the most technically demanding one, an agentic AI system using LangChain with tool-calling, RAG grounding and graph-based orchestration in LangGraph. They progressed from local-first builds to a cloud-deployed product (the bootcamp moves from Ollama in Month 1 to Azure in Month 2).
- Coached the team to diagnose before building: whether a problem needs RAG, an agent, classical ML, deep learning or computer vision. Builders justify their architecture to me before they build, and I review architecture diagrams before the team commits to them.
- Enforced a baseline-first, end-to-end delivery approach (diagnose, frame, data, baseline, improve, deploy, demo) and scope discipline ("cut it in half, then ship it"), so the team shipped a working product on every project.
- Reviewed pull requests for correctness, reproducibility, security (no committed secrets) and scope, separating must-fix from nice-to-have feedback. Coached the branch, commit, PR, review and merge workflow and taught builders to review each other's work, so peer review now runs without my prompting.
- In Month 3, moved from team lead to individual coach: approving solo capstone pitches against shippability and real-data tests, reviewing portfolios, running capstone defences as a technical panel with curveball questions, and written feedback.
- **Sample Team Demo Day recording:** <https://youtu.be/lbrql8h1l84?si=f3ZjxFVmNFkds78Z>

- **Stack:** LangChain, LangGraph, RAG, Agentic AI Workflows & Tool Calling, Vector Databases; Chroma DB, Ollama (local LLMs), Azure OpenAI, GitHub (PR review workflow), Streamlit, Slack, AI Mentorship, Curriculum Delivery, Demo Day Evaluation, Responsible AI
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Project Assistant, Data Analytics & Process Automation (Summer Work-Learn Student, Contract)
Green College & Development and Alumni Engagement (DAE),
The University of British Columbia (UBC)

May 2026 – August 2026
Hybrid – Vancouver, Canada

- **Green College** is an interdisciplinary residential college at UBC for graduate students and postdoctoral scholars, running a public lecture and performance series alongside a community of resident members and Society Members. The **Development and Alumni Engagement (DAE) Office** leads UBC's donor relations, fundraising and alumni engagement, and its Campus Initiatives unit partners with Green College on this work. This project replaced decades of scattered resident records with a trusted, advancement-ready data foundation as the college moved to a new communications platform.
 - Joined a joint DAE and Green College project, working with the DAE Advancement Officer at the Department of Development and Green College's Development & Society Member Lead. I owned the consolidation, cleaning and automation of the college's resident and member data.
 - Built a centralized resident database covering 31 years of records (1995–2026) by reviewing and integrating separate databases & datasets from the Green College team. It became a single source of truth for resident and membership information, replacing fragmented historical records.
 - Led a data-quality initiative across the full dataset using Excel and Python. I standardized formats, removed duplicates, resolved inconsistencies and filled gaps, producing a reliable dataset for stewardship, reporting and future data management.
 - Designed automated membership-tracking tools in Excel that update resident classifications and Society Member status from key dates entered by staff. This removed manual reclassification, cut ongoing administrative effort and improved accuracy.
 - Built repeatable workflows for DAE Educational Involvement and Contact Updates that let staff extract qualifying records with minimal manual work. A previously manual process can now be maintained without rebuilding formulas or reports.
 - Analyzed 406 resident records (2020–2025) to identify people eligible for stewardship and engagement. Through a detailed record-linkage process against UBC's Blackbaud CRM (Links), I located and validated 134 constituent Lookup IDs, enabling verified uploads through the Educational Involvement process.
 - Researched, verified and updated contact information for 105 members from public sources, in line with DAE's protocols for record keeping, data accuracy and privacy compliance. This strengthened the college's ability to reach residents for outreach, events and advancement activities.
 - Wrote technical documentation, entity-relationship diagrams and knowledge-transfer resources covering system structure, automated workflows and maintenance procedures, so future coordinators can run and extend the system independently.
 - **Stack:** Python (pandas), Excel (advanced formulas), Links (DAE constituent database), Data Cleaning & Deduplication, Record Matching, Workflow Automation, Data Governance & Privacy Compliance, Documentation & Knowledge Transfer
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Analytics Manager, Internship Experience Lead (Contract)
Amdari

December 2024 – May 2025
Remote – Alberta, Canada

- **Amdari** is a remote workforce-development and consulting platform that places early-career tech professionals on real projects with partner organizations across the UK, US and Canada. Its six-month programs span data analytics, data science, data engineering, cybersecurity, business analysis, project management, and HR and financial analytics. I led the Remote Apprenticeship Virtual Experience (RAVE) department, which owned the quality of that experience, from curriculum and coaching to project delivery and partner relationships.
- Directed operations for RAVE, leading a cross-functional team of 12 technical specialists and coaches supporting 150+ interns across multiple disciplines. I set team objectives, ran performance reviews and mentored coaches on effective teaching and project delivery.
- Designed and delivered live masterclasses and educational training sessions on Google Meet and YouTube for 500+ people. I also built learning resources (case studies, guided solutions and video walkthroughs) that made technical concepts accessible to early-career learners.
- Developed and delivered multi-domain training curricula across data science, analytics and AI, cutting onboarding time by 35% and standardizing knowledge transfer across 150+ interns, so they could make production-ready project contributions within 12 weeks.

- Owned quality assurance for technical case studies and partner projects. I reviewed and approved coach-created materials and intern deliverables against company standards, and attended presentation sessions across all program tracks, from business analysis to cybersecurity.
- Designed and tracked program-level KPIs for intern performance and business-case outcomes. Using Excel and Python for data cleaning and analysis, I turned performance data into structured feedback loops that raised project completion rates and reduced technical rework.
- Acted as the primary liaison between the coaching team, other departments (sales, marketing, program management) and external project partners, anchoring meetings, managing stakeholders and reporting team performance and program impact to senior leadership.
- Led free informational sessions and workshops as part of outreach, working with marketing on promotional content that showcased the programs and the coaching team's expertise to attract new interns.
- Ran knowledge-sharing sessions and trained coaches on tools and methods, building a culture of continuous learning.
- **Live masterclass recordings:** https://youtube.com/playlist?list=PLCsdnW1-y_9A&si=tWQir96IwnOGy7in
- **Stack:** Excel, Python (data cleaning and analysis), Google Meet, YouTube (live instruction), Curriculum Design, Program KPIs & Reporting, Trello, Jira, QA & Project Review, Coaching & Team Leadership, Stakeholder Management

Junior AI Engineer (Contract) Darey.io (Xterns)

September 2024 – November 2024
Remote – United, Kingdom

- **Darey.io** is an AI-powered contextual learning platform for tech careers, and its sister platform, Xterns, gives learners hands-on project experience and gives employers skills-based talent data. I joined the AI team for three months to help build the algorithms behind skill tracking, personalized learning paths and employability scoring for a platform with 2700+ users.
- Collaborated on AI algorithms for skill tracking and personalized learning paths and the computation of an Employability Index (EI) score, implemented in Python against the OpenAI and Claude model APIs.
- Co-developed an LLM-based semantic scoring system for automated assessment of user answers. I built structured chat payloads (system, user and assistant message roles) and used OpenAI models to score each learner response against a reference answer, returning a similarity score and applying a threshold-based decision.
- Defined Pydantic data models for request and response schemas, enforcing type-safe validation of the inputs and outputs passed to and from the LLM, which kept the assessment logic consistent and maintainable.
- Co-designed the data science and AI curriculum with senior team members, giving hands-on learners a practical path through AI and data concepts. Researched emerging Large Language Models and AI developments to inform platform features and learner engagements.
- **Stack:** Python, OpenAI API, Claude API, Pydantic, LLM-based Evaluation, Prompt Engineering (system/user/assistant roles), Threshold-Based Scoring, Recommendation & Scoring Algorithms, Curriculum Design, GitLab, VS Code, Pytest, PEP Standards for Code Design, GitHub Actions (CI/CD), Jira (Ticket Management), Postman (API Testing & Management).

Data Scientist (Contract) Data Science Nigeria (DSN)

March 2024 – October 2024
Hybrid – Lagos, Nigeria

- **Data Science Nigeria**, founded in 2016, is Africa's leading data science and AI organization. It is committed to raising 1 million AI talents and building AI solutions for emerging markets, through a community of 14,000+ members across 90+ countries, training programs and applied AI-for-good research. During an 8-month contract I worked on its applied health AI and NLP research, supporting Nanoplanner, an AI-powered last-mile healthcare planning solution for reproductive, maternal, newborn, child health and nutrition (RMNCHN) built by EqualyzAI, an AI startup founded by DSN's CEO.
- Queried RMNCHN datasets in PostgreSQL and built Python and SQL pipelines for large-scale preprocessing, standardization and exploratory analysis of health records, including geospatial coordinate data, to prepare model-ready datasets.
- Trained and evaluated a Naive Bayes classifier that reached 86% accuracy on a held-out test set, predicting a health indicator across 44 local government areas (LGAs) in northern Nigeria to support data-driven intervention planning.
- Assessed the initial suitability of a Retrieval-Augmented Generation (RAG) pipeline (LLM + LangChain + hosted database) for question answering over multiple PDF documents, testing how reliably it extracted health and spatial indicators.
- Tested end-to-end chatbot workflows and system integration for an internal maternal and reproductive health assistant, built on a FastAPI backend and the Landbot low-code platform, and validated an English–Hausa translation module (Google Translation API) for northern Nigerian users.
- Conducted a geosemantics NLP research on building-collapse reports in Nigeria. I built a BeautifulSoup scraper for four leading Nigerian news outlets, hand-annotated the corpus with a custom entity schema (state, town, LGA,

property type, street, casualties, injuries) and trained a custom spaCy Named Entity Recognition (NER) model for entity extraction.

- Contributed English-language text annotation for model fine-tuning at EqualyzAI, gaining hands-on insight into how training-data quality and data annotation standards shape model performance.
- **Stack:** Python, SQL, PostgreSQL, scikit-learn (Naive Bayes), GitHub, Feature Selection, Hyperparameter Tuning, Model Logging, spaCy (Named Entity Recognition), BeautifulSoup, LangChain, RAG, Large Language Models, FastAPI, Landbot, Google Translation API, Google Colab, Geospatial Data Analysis, Data Annotation, Natural Language Processing, Machine Learning, AI Engineering.

Data Science Instructor & Curriculum Developer (Contract) Nebiant Analytics

June 2024 – August 2024
Remote – Lagos, Nigeria

- **Nebiant Analytics** is an edtech training skills hub providing immersive career-transition programs and industry-aligned certification tracks across Data Analytics, Data Science, and Business Intelligence, equipping emerging professionals with applied technical skills to enter global tech ecosystems.
- Designed and produced a four-week, self-paced foundational data science curriculum: 50 pre-recorded video lessons totaling 1,500+ minutes (25+ hours), recorded in Zoom, with slide decks designed in Canva and delivered through Nebiant's learning management system (LMS).
- Architected the curriculum as a progressive learning path (foundations, two Excel toolkit modules, then statistics), sequencing each concept from theory to applied practice through scenario-based case studies and project-based assessments.
- Authored the foundations module (Week 0) on the data science roadmap, the 5 V's of Big Data, analysis versus analytics, data analyst and data scientist roles, and the CRISP-DM and KDD methodologies, grounding beginners in the analytics lifecycle.
- Built the technical Excel curriculum: nested logical functions (IF, IFS, IFERROR), lookup functions (VLOOKUP, HLOOKUP, INDEX-MATCH, XLOOKUP), data-cleaning workflows (TRIM, SUBSTITUTE, VALUE), structured references, data validation, conditional formatting, aggregate functions and pivot tables, culminating in interactive Excel dashboards.
- Developed the statistics module in Microsoft Excel: descriptive statistics (central tendency, variance, standard deviation, skewness, kurtosis), covariance and correlation, probability distributions, the Central Limit Theorem and inferential statistics including hypothesis testing, applied to business scenarios through hands-on projects.
- Taught executive dashboarding principles, visual storytelling, and business reporting, guiding learners how to turn their analysis into insight through Pivot Tables, categorical/numerical charting best practices, and scenario-based PowerPoint presentations tailored for non-technical stakeholders.
- **Sample Class Session:** <https://drive.google.com/file/d/1xV6mRlk-o6e7JjRbDZpAkVetPoJJ7-U1/view?usp=sharing>
- **Stack:** Advanced Microsoft Excel (XLOOKUP, INDEX-MATCH, Nested Logic, Pivot Tables), Business Statistics (Hypothesis Testing, CLT, Distributions), CRISP-DM, KDD Methodology, Instructional Design, Curriculum Development, Zoom, Canva, LMS Content Delivery.

Lead Data Scientist / Senior Data Associate (Full Time)

Context: Joined as a Data Associate (September 2022 to March 2023); promoted to the senior role leading the Data Science team in April 2023 – February 2024).

10Alytics

September 2022 – February 2024
Remote – Manchester, United Kingdom

- **10Alytics** is a global edtech and data consulting firm delivering enterprise-accredited training programs and client analytics solutions, helping over 21,000+ professionals across EMEA (Europe, the Middle East, and Africa) and North America transition into high-growth roles in Data Science, Machine Learning, and Cloud Analytics.
- Directed operational activities and curriculum delivery for the global Data Science division, reporting directly to executive leadership (Co-Founder) to drive division-wide instructional quality, platform scalability, and learner career outcomes.
- **Consulting Delivery:** Engineered end-to-end machine learning pipelines for regression and classification tasks including data cleaning and preprocessing, exploratory data analysis (EDA), feature engineering, train/test/validation split, model training, cross-validation, evaluation (accuracy, precision, recall, F1-score, MAE, RMSE and R^2), model serialization and packaging of pipeline components for handoff to the downstream team. Built with Python (Pandas, NumPy, scikit-learn) and SQL, using machine learning algorithms for example; linear and logistic regression, decision trees and random forests.
- **Training:** Personally trained and mentored over 550+ learners; data scientists and analysts across Africa, the UK, and Canada, with 90–120 active learners per month and up to three cohorts running concurrently (cohorts averaging

~50), covering the full path from data science fundamentals to shipping models: preprocessing, feature engineering, model training and validation, and deployment fundamentals, thus guiding learners through raw data ingestion, exploratory data analysis, outlier remediation, cross-validation, and model serialization via Pickle while maintaining top-tier course completion and satisfaction benchmarks. I earned a consistent average rating of 9/10 in learner reviews.

- **Cross-functional delivery:** Worked with business analysts and project managers on client projects, reading and reviewing proposal and requirements documents alongside them. Built interactive analytical dashboards and executive monitoring reports in Tableau, Power BI, Excel and Python (Matplotlib, Seaborn). Led stakeholder review sessions with industry clients and partners to present and validate analytical work, with the co-founder joining when available.
- Designed, tested, and preprocessed staging datasets prior to distribution across student cohorts, ensuring clean schemas, deterministic edge cases, and real-world business relevance across retail, health, finance, and telecommunications case studies.
- **Public sessions:** Taught open technical masterclasses, and live developer workshops for 1,000+ global participants, covering cloud-hosted Jupyter environments (Google Colab), SQL query optimization, and ML deployment fundamentals. **Some Open Recordings:** https://youtube.com/playlist?list=PLYR5hVyg_N-s&si=DegETE9DD1DJVlx5
- Directed comprehensive career enablement and interview readiness initiatives, conducting technical mock interviews, resume portfolio teardowns, and scenario-based coding reviews to prepare graduates for enterprise data roles.
- As Data Associate: Coordinated monthly data science cohorts and ran weekly technical review sessions on data processing in Excel, SQL, Tableau and Python, wrote supplementary documentation for cohort members and liaised with senior data associates to track and hit project deliverables for both our clients and trainees.
- **Stack:** Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn), Data Cleaning and Preprocessing, Supervised and Unsupervised Machine Learning (Regression, Classification, Ensembles, Cross Validation & Model Evaluation, Model Serialization/Pickle, ML Flow), SQL (PostgreSQL), Tableau, Power BI, Google Colab, VS Code, EDA & Feature Engineering, Curriculum Leadership, Technical Mentorship & Mock Interviews, Stakeholder & Partnership Development.

Data Scientist

Context: Joined through competitive Data Science Fellowship/Traineeship (Apr – Jun 2022); proceeded to internship and then advanced to Technical Instructor & Data Scientist (Jul – Dec 2022).

Edo Innovation Hub (Edo Innovates)

April 2022 – December 2022

Onsite – Edo, Nigeria

- **Edo Innovation Hub (Edo Innovates)** is the flagship digital talent and technology incubation center established by the Edo State Government to accelerate regional digital skills, support tech enterprise incubation, and build workforce pipelines across software and data disciplines. The mandate encompassed professional data science development, public sector analytics delivery, and community-wide computing education.
- Completed rigorous full-stack data science retraining, engineering end-to-end analytical pipelines in Python (Pandas, NumPy) for programmatic data ingestion, exploratory data analysis (EDA), anomaly treatment, and baseline classification and regression modeling with Scikit-learn.
- Worked in an 8-person analytics squad analyzing employment and demographic datasets sourced from Nigerian university graduates, engineering data pipelines in Python and Power BI to surface actionable insights and executive recommendations for hub administrative leadership.
- Facilitated technical SQL training cohorts for over 80+ aspiring analysts, delivering applied modules on relational database design, indexing, multi-table joins, subqueries, and aggregation logic using PostgreSQL and SQLite.
- Directed youth computer science pedagogy during the InokiTech Summer Bootcamp, instructing 91 students (ages 6–11) in computational logic, algorithmic thinking, and visual programming using Scratch and Google's CS First curriculum framework.
- Conducted applied data workshops and mentoring clinics for over 100+ adult participants, teaching spreadsheet data analysis, Microsoft Office Suite, Power BI interactive dashboard design, and structured problem-solving methodologies for business intelligence.
- **Stack:** Python (Pandas, NumPy, Scikit-learn), SQL (PostgreSQL, SQLite), Microsoft Power BI, Microsoft Excel, Google CS First, Scratch, Exploratory Data Analysis (EDA), Supervised Learning (Regression & Classification), Technical Pedagogy & Curriculum Delivery.

Data Analyst (Independent Contractor)**Edo State Universal Basic Education Board (Edo SUBEB), Personnel Management**

June 2020 – December 2022

Remote – Edo, Nigeria

- **Edo SUBEB** (in alignment with the EdoBEST digital reform initiative) oversees basic education administration, civil service personnel registries, and institutional infrastructure across primary and junior secondary institutions throughout Edo State, Nigeria. The project focused on executing a foundational paper-to-digital records migration to establish secure, centralized, and standardized personnel management datasets across local government education authorities.
- Led the end-to-end data digitization and standardization initiative across 50+ public primary and secondary educational institutions within the Etsako East (Agenebode) and Etsako Central (Fugar) Local Government Education Authorities (LGEAs).
- Migrated thousands of legacy physical paper records into structured digital databases using Microsoft Excel, standardizing disparate civil service rosters received from individual school administrations against centralized SUBEB state schemas.
- Engineered automated data cleaning, deduplication, and validation workflows in Excel (leveraging nested logical functions, fuzzy text matching routines, and dynamic lookups) to resolve naming anomalies, conflicting employment dates, and missing records.
- Enforced strict data privacy and security protocols for sensitive Personally Identifiable Information (PII)—including National Identification details, dates of birth, residential addresses, payroll grades, and qualifications—establishing role-based file access controls and sanitizing data before downstream transmission.
- **Stack:** Microsoft Excel (Advanced Data Cleaning, Dynamic Lookups, Logical Modeling, Pivot Tables), Data Governance & PII Protection, Paper-to-Digital Migration, Deduplication & Entity Resolution, Public Sector Personnel Analytics.

LEADERSHIP & INITIATIVES**Volunteer Data Scientist & Developer****Celebration Church International (CCI Vancouver)**

Aug 2026 – Present

Vancouver, Canada

- **Celebration Church International Canada** is a registered faith-based non-profit network headquartered in Toronto with 8 campuses nationwide, including its growing Vancouver branch. The Vancouver initiative focused on modernizing internal records management, resolving historical data gaps across local membership and volunteer registries, and replacing manual, error-prone survey collection cycles with an automated, self-service architecture aligned with national governance expectations.
- Designed and deployed a self-service record completion application allowing members to retrieve, verify, and correct their own entries, eliminating the duplicated collection effort and manual re-entry burden of a conventional survey cycle.
- Built the application in Python (Flask), integrating the Google Sheets API through a scoped service account (Google Cloud Platform Provider Service – GCP) to read and write the live membership register without migrating the organization off its existing tooling.
- Enforced server-side field-level authorization via explicit allowlists, separating columns into private, read-only, and member-editable classes, with validation re-applied on submission rather than relying on client-side form constraints.
- Routed submissions from unregistered members into a staged approval queue rather than the production register, preserving administrative review before records enter the authoritative dataset.
- Deployed to a managed cloud platform (Render) with all credentials externalized to environment variables, and designed a responsive member-facing interface with inline format guidance and constrained inputs to reduce data entry errors at source.
- **Stack:** Python, Flask, Google Cloud – GCP; (Google Sheets API, OAuth2 Service Account Authentication - service-account IAM) HTML/CSS, SMTP, Git, Render, Session-Based Authentication, PII Protection & Access Control, Audit Logging, API Quota Management, Full-Stack Application Deployment.

- **AI for Kids Foundation** is a non-profit initiative dedicated to democratizing artificial intelligence literacy for the next generation, operating an active hub across Africa with ongoing global expansion. The mission unites rigorous computer science, machine learning foundations, and student-centered pedagogy to demystify complex engineering concepts for K–12 children, parents, and educators.
- Founded and currently scale the organization’s strategic roadmap, and curriculum frameworks, spearheading grassroots partnerships with schools, community hubs, and edtech stakeholders to drive early ethical AI literacy across regions.
- Authored comprehensive, age-appropriate AI resources and instructional guides tailored for junior learners and classroom teachers, designing dual-audience pedagogical frameworks that balance technical fidelity with empathetic, intuitive analogies. Sample: <https://canva.link/aiforkids-welcome>, <https://canva.link/ai-to-kids>, <https://canva.link/I35jio312i7x552>.
- Spearheaded hands-on AI literacy bootcamps, workshops, and teacher-training masterclasses, upskilling hundreds of educators and parents to integrate generative AI tools responsibly into modern classroom settings.
- Championed developer advocacy and public AI education through digital channels and community outreach, evangelizing the democratization of computer science education and responsible AI practices for emerging markets.
- **Relevant Links:** <https://www.instagram.com/aiforkidsafrica/>, <https://www.instagram.com/aiforkidsfoundation/>, <https://aiforkidsafrica.com/>.
- **Skills:** Generative Artificial Intelligence / LLM Architectures, Developer Advocacy, Pedagogical Frameworks, Curriculum Design, Resources Authorship, Technical Evangelism, K–12 Educational Technology, Youth & Educator Upskilling, AI Literacy Education, Community & Non-Profit Leadership, Stakeholder & Partnership Development.

SKILLS

- **Generative AI, Agents & LLM Systems:** Agentic AI Workflows, Retrieval-Augmented Generation (RAG), Large Language Models (LLMs), LangChain, LangGraph (Agent Stategraphs), Tool Calling & Function Calling, OpenAI API, Anthropic Claude API, Hugging Face, Ollama (Local LLM Inference), Model Context Protocol (MCP), Vector Databases (Chroma, FAISS), Semantic Search, Cosine Similarity & Embeddings, Prompt Engineering, Small Language Models (SLMs).
- **Machine Learning, Deep Learning & NLP:** PyTorch, Scikit-learn, XGBoost, Transformers (BERT, LLMs), Deep Learning (CNNs, RNNs), Natural Language Processing (NLP), Named Entity Recognition (spaCy Custom NER), Supervised Learning (Ensemble Methods, Random Forests, Decision Trees, Logistic & Regularized Regression), Naive Bayes, Model Evaluation (Precision, Recall, F1, ROC-AUC, Cross-Validation), Model Serialization (Pickle, Joblib), Feature Engineering & Selection.
- **Programming Languages & Frameworks:** Python (OOP, Packaging), R, SQL, Bash/Shell Scripting, Scratch (Visual Logic), Flask, FastAPI, Jinja2, HTML5.
- **Databases, Data Modeling & Cloud:** PostgreSQL, SQLite, MongoDB, Google Cloud Platform (GCP IAM, Service Accounts, Cloud APIs), AWS (S3, EC2 fundamentals), RESTful APIs, Entity-Relationship Modeling, Database Normalization, Record Linkage & Deduplication.
- **Data Engineering, MLOps & CI/CD:** Docker, GitHub Actions (CI/CD Pipelines), Git / GitHub (PR Reviews, Branching, Issues, Project Boards), Environment Isolation & Packaging (uv, hatch, conda, virtualenv), Automated Unit & Integration Testing (Pytest, testthat), Web Scraping (BeautifulSoup), Data Pipeline Orchestration, API Quota & Rate-Limit Management.

- Visualization, Dashboarding & Web Apps: Streamlit, Shiny (R & Python), Tableau, Microsoft Power BI, Plotly, Altair, Quarto, Next.js, React, Tailwind CSS, Matplotlib, Seaborn, Advanced Microsoft Excel (Dynamic Arrays, XLOOKUP, INDEX-MATCH, Nested Logic, Power Pivot).
- Data Governance, Privacy & Security: Personally Identifiable Information (PII) Protection & Sanitization, Role-Based Access Control (RBAC), One-Time Passcode (OTP) Verification, Immutable Audit Logging, Data Quality Assurance (DQA), FIPPA / Privacy Compliance.
- Pedagogy, Developer Advocacy & Leadership: Curriculum Mapping & Instructional Design, Video Course Production (1,500+ mins), Developer Evangelism & Technical Workshops (500–1,000+ attendees), Technical Content Creation (video, slides: Zoom, Canva, PowerPoint), Technical Mentorship & Code Review, Capstone Evaluation Rubrics, Mock Technical Interviews, Public Speaking & Community Building.

CERTIFICATIONS

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|---|----------------|
| • <u>Advanced RAG with Vector Databases and Retrievers</u>
IBM Coursera Certification | Oct 2026 |
| • <u>Vector Databases for RAG: An Introduction</u>
IBM Coursera Certification | Oct 2026 |
| • <u>Fundamentals of Building AI Agents</u>
IBM Coursera Certification | Oct 2026 |
| • <u>Build RAG Applications: Get Started</u>
IBM Coursera Certification | Oct 2026 |
| • <u>Agentic AI with LangChain and LangGraph</u>
IBM Coursera Certification | Oct 2026 |
| • <u>Develop Generative AI Applications: Get Started</u>
IBM Coursera Certification | Sep 2026 |
| • ChatGPT Foundations for Teachers
OpenAI Coursera Certification | Jan 2026 |
| • <u>Neural Networks and Deep Learning</u>
DeepLearning.AI Coursera Certification | Jul 2025 |
| • <u>An Intuitive Introduction to Probability</u>
University of Zurich Coursera Certification | Nov 2023 |
| • <u>Getting Started with Writing and Publishing Your Research</u>
INASP (The AuthorAid Project) | May - Jul 2023 |
| • <u>Exploratory Data Analysis for Machine Learning</u>
IBM Coursera Certification | Jul 2023 |
| • <u>Supervised Machine Learning: Regression and Classification</u>
DeepLearning.AI Coursera Certification | Jul 2023 |
| • <u>Ask Questions to Make Data-Driven Decisions</u>
Google Data Analytics Professional Coursera Certification | Sep 2022 |
| • <u>SQL for Data Science</u>
University Of California Davis Coursera Certification | Jul 2022 |
| • <u>Foundations: Data, Data Everywhere</u>
Google Data Analytics Professional Coursera Certification | Jun 2022 |
| • <u>Programming For Everybody (Getting Started with Python)</u>
University of Michigan Coursera Certification | Feb 2022 |
| • <u>Leadership and Emotional Intelligence</u>
Indian School of Business Coursera Certification | Aug 2020 |
| • <u>Excel skills For Business; Intermediate</u>
Macquarie University Coursera Certification | Jun 2020 |
| • <u>Introduction to People Analytics</u>
Moscow Institute of Physics and Technology Coursera Certification | May 2020 |
| • <u>Engineering Project Management; Initiating and Planning</u>
Rice University Coursera Certification | May 2020 |
| • <u>Excel Skills for Business; Essentials</u>
Macquarie University Coursera Certification | Apr 2020 |

AWARDS / HONORS

- Mastercard Foundation 2025 Scholarship (\$100k) Mar 2025
- National Information Technology Development Agency (NITDA) Machine Learning Scholarship Jun 2023
- Deans Award: Best Graduating Student in the Department of Structural Engineering, Faculty of Engineering 2023
- Grow With Google ACN Scholarship Aug 2022
- DataCamp Scholarship (Ingressive for Good) Apr 2022
- Best Article - Junior Chamber International (JCI) University of Benin's Investiture Oct 2018
- Vice President's Award to the Best Academic Student, Faculty of Engineering, University of Benin Mar 2018