

Rachel Mifor Agyingi

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EDUCATION

University of Buea

Bachelor of Engineering in Computer Engineering (GPA: 3.70/4.0)

Buea, SouthWest

September 2022 – Expected Dec 2026

Google + Coursera

Professional Certificate in Data Analytics

Online

January 2026 – April 2026

- Completed a 9-course professional track covering the full data analysis process: Ask, Prepare, Process, Analyze, Share, and Act.
- Mastered technical competencies in SQL, R, Tableau, and spreadsheet software for data-driven decision making.

Aspire Leadership Institute

Leadership and Professional Development

Online

November 2025 – December 2025

- Completed professional development training in leadership, communication, and career readiness.

EXPERIENCE

ICT Intern

UNICEF Cameroon

Jan 2026 – July 2026

Yaoundé, Cameroon

- Managed the ICT asset lifecycle across offices: inventory reconciliation, equipment deployment and decommissioning of obsolete assets.
- Built Microsoft Forms and Power Automate workflows, supported design of an internal Funding Proposal Tracker, and proposed a Microsoft Lists solution to digitise ICT equipment handover.
- Supported Business Continuity Plan infrastructure through field diagnostics, network troubleshooting and BGAN emergency communication systems.
- Delivered enterprise IT support across hardware, software, and network systems for internal stakeholders.

Independent Data Analyst (Capstone Project)

Bellabeat Consumer Trend Analysis

March 2026 – April 2026

Remote

- Analyzed 18+ FitBit datasets using Python to identify health and activity trends for Bellabeat, a high-tech manufacturer of health-focused products for women.
- Engineered a single table by cleaning, merging, and normalizing disparate time-series data, uncovering a 0.41 correlation between physical activity and sleep quality.
- Developed statistical visualizations using **Seaborn** and documented the full end-to-end pipeline on [Kaggle](#).

Frontend Engineer Intern

Fapshi Inc

August 2025 – January 2026

Buea, Cameroon

- Designed and built a new production-ready admin dashboard used to manage 2,000+ platform users.
- Collaborated with the CTO using agile methods to consume REST API endpoints for user management, payouts, account activation, and system monitoring.
- Implemented theming and full internationalisation support to serve both English and French administrators.
- Improved overall admin user experience by 30% through UI optimisation and responsive component design.

National Geographic Society + The Nature Conservancy Remote Extern

Extern

Sept 2025 – Nov 2025

Remote

- Conducted primary and secondary research on regional marine conservation challenges, including community practices and local environmental pressures.
- Analysed findings to propose accessible, community-centred solutions to strengthen local conservation initiatives.
- Developed written, verbal, and visual storytelling materials to communicate marine conservation issues and inspire local involvement.

AI and OCR Extern

Outamation

July 2025 – September 2025

Remote

- Built modular, AI-powered pipelines to process 200+ page modular blob files, combining PDF parsing and RAG techniques for intelligent data extraction, classification and search
- Developed a document retrieval system using LlamaIndex and Retrieval-Augmented generation, optimised for multi-document mortgage blobs. Enhanced precision through chunk tuning, metadata filtering and evaluation of open-source LLMs like Llama and Mistral.
- Delivered technical report outlining model trade-offs, optimisation strategies, final deployment recommendations and built a UI for demo purposes

PROJECTS

- Road Traffic Sign Detector** | *React Native, YOLOv11n, TensorFlow Lite, Python* | [GitHub](#) Apr 2026 - Jul 2026
- Neural Network for Digit Recognition** | *Python, Numpy* | [GitHub](#) Jan 2025 – Feb 2025
- RAG Pipeline for real time PDF querying** | *Python, Llamaindex, pyMuPDF* | [Live Demo](#)

HONORS AND AWARDS

- 2nd Place, Regional Hackathon** 2024
48-hour competition against 20 teams of five members each
 - Awarded 2nd place among 20 teams in a 48-hour regional hackathon for developing an innovative solution under tight deadlines.
 - Demonstrated exceptional teamwork, problem-solving, and technical proficiency in a high-pressure environment.
- Kate Kanyi-Tometi Excellence Fund Award** 2023, 2024, 2025
Award for academic excellence
 - Three-time recipient of the prestigious Kate Kanyi-Tometi Excellence Fund Award, recognizing consistent outstanding academic performance and dedication to learning.

VOLUNTEER & LEADERSHIP

- Ocean Hack Organiser & Co-Founder** Jan 2026 – Present
National Geographic and The Nature Conservancy Externship
Buea, Cameroon
 - Organised a marine conservation hackathon with 30 applicants
 - Organized interactive online sessions to enlighten participants on the gravity of marine pollution in Cameroon.
 - Supervised school outreach sessions at two schools, impacting 60 students, teaching them about marine pollution.
- Data Science Club Co-Lead & Co-Founder** March 2025 – Present
Faculty of Engineering and Technology
Buea, Cameroon
 - Managed and mentored a team of 15 students to facilitate practical sessions on data analysis.
 - Developed and delivered workshops focused on exploratory data analysis (EDA) and Python programming.
 - Organized interactive sessions to enhance hands-on learning and technical skill-building among club members.

TECHNICAL SKILLS

- Languages:** Python, TypeScript, SQL, HTML/CSS
- Frameworks & Libraries:** scikit-learn, pandas, NumPy, Matplotlib, React, Next.js, Node.js, Shadcn-UI
- Developer Tools:** Git, VS Code, Visual Studio, PyCharm, Tableau, BigQuery, Google Sheets, Microsoft Excel, Microsoft Lists, Sharepoint