TANDAH DJIMELI MARCELLE

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EDUCATION

University Institute of the Coast(IUC), Cameroon | Under the academic tutelage of University of Buea **July 2025**

Bachelor of Science in Information Systems Engineering, CGPA : 3.87 / 4.0 (valedictorian)

- **Relevant courses :** Algorithms and Data Structures, Discrete Mathematics and Graph Theory, Information Therory and Computation
- Development of a Mobile-Based Institutional Activity Follow-up system Case of **IUC**

Bachelor of Technology in Computer Engineering (Software Engineering), CGPA : 3.43 / 4.0 **July 2024**

- **Relevant courses :** Algorithms and Complexity, Distributed Systems, Data Mining, Object Oriented Progamming
- Design and Implementation of a Prevention and Reporting System Addressing Violence against the Female Gender

PROFESSIONAL EXPERIENCE

Software Developer at University Institute of the Coast IT Department | Cameroon **September 2024 - Present**

- Developing and maintaining mobile applications for the medical and education sectors.
- Managing user profiles and secure database synchronization.
- Building digital filing systems for storing lecturer documents.
- Mentoring of Academic Interns

Data Analyst Intern at Formuloo Inc. (Remote) | Quebec, Canada **April - July 2026**

- Analyzed and processed data using Python and SQL to create reliable datasets for business reporting.
- Designed data pipelines using Apache Airflow and dbt to automate data transformation workflows.
- Monitored data quality and carried out data testing procedures to ensure system reliability.
- Developed key performance indicators and custom reports to support data-driven decision-making.

PROFESSIONAL TRAINING

Microsoft Power BI Data Analyst Professional Certificate **July 2026 - Present**

- Learned how to set up a data source and explain and configure storage modes in Power BI.
- Learned how to reference queries and dataflows and use the Advanced Editor to modify code.

Security and Privacy for Big Data - Part 1 and 2 **September 2026**

- Defined cryptographic principles and mechanisms to manage access controls in your Big Data system.
- Understood concepts like anonymization and pseudonymization, k-anonymity, differential privacy, secure multiparty computation, and homomorphic encryption.

IBM Data Science Professional Certificate **October 2025 - February 2026**

- Developped Understanding by applying core machine learning algorithms such as regression, classification, clustering, and dimensionality reduction using Python and scikit-learn
- Gained skills to perform data collection, data wrangling, exploratory data analysis, data visualization model development, and model evaluation

Google Project Management Professional Certificate **March 2024 - August 2024**

- Completed a stakeholder analysis and utilize RACI charts to define and communicate project team member responsibilities.
- Identified tools and best practices to build a project plan and risk management plan
- Implemented the key quality management concepts of quality standards, quality planning, quality assurance, and quality control.

RELEVANT PROJECTS

ComMobi-Tracker : A technological solution designed to modernize and optimize child protection and positive parenting initiatives across Cameroon. | Link : Github

- Problem Statement : Frontline social workers in rural areas lack offline-first digital tools to track vulnerable families and swiftly report critical child protection emergencies.
- Project Objective : Build an Android application and Power BI dashboard to digitize parenting support for families and streamline emergency tracking

Africa Population Pulse: Streamlit Analytical Dashboard: An interactive analytical and descision making tool built with Streamlit to visualize and analyze historical and projected demographic trends across 54 African countries(from 1960 -2023) | Link : Github

- Problem Statement : The original dataset structure, with 54 separate year columns, made demographic analysis and interactive visualization highly inefficient and difficult to process.
- Project Objective : The objective was to build a clean ETL pipeline to restructure the data and deploy an interactive Streamlit dashboard for analyzing historical and projected demographic trends across Africa

VOLUNTEER EXPERIENCE

Digital Communication and Digitalization Volunteer at ALAM (Association for the Fight Againts Child Abuse)

June 2026 - Present

- Designing and deploying the digital communication strategy to raise public awareness.
- Managing and animating the association's social media platforms.
- Contributing to the digital transformation and integration of digital tools to optimize our fieldwork

SKILLS

Technical Skills

- Web and Mobile Development, Database and Infrastructure Management, Graphic Designing (Adobe illustrator, Photoshop, Canva), Digital Literacy, Version Control, Workflow Automation

Soft Skills

- Teamwork and Collaboration, Active Listening and Empathy, Adaptability, Ethical Integrity, Creative thinking, Project Management

LANGUAGES

- English (Fluent), French (Fluent), Bamileke (Native)

HOBBIES

- Baking & Pastry, Nail Artistry & Design