BLAISE TANAM FONGUH

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EDUCATION

Kwame Nkrumah University of Science and Technology (KNUST) **Kumasi, Ghana**
Bachelor of Science in Computer Science | **GPA**: 3.0/4.0 Sep. 2020 – Nov. 2024
- **Relevant Coursework:** Information Systems, Systems Analysis and Design, Human–Computer Interaction, Artificial Intelligence, Data Structures, Database Systems, Programming with Python, Java, and C++, Operations Research.
- **Final-year thesis**: Lingua-Connect; published research on developing a global translation tool to enable effective communication between people of diverse linguistic backgrounds in Africa

PROFESSIONAL EXPERIENCE

BM Prime Capital **Remote, USA**
Venture Capital Intern Nov. 2025 – Present
- Conduct commercial due diligence, build financial models, and prepare investment memos that inform partners' decisions on 5+ seed-stage deals.
- Sourced and evaluated 10+ early-stage startups across Francophone Africa, focusing on fintech, health tech, and digital infrastructure in alignment with the firm's investment thesis.

Blitz Transfers **Yaoundé, Cameroon**
Founder & Chief Operating Officer Dec. 2024 – Present
- Led the end-to-end development of a secure, low-cost remittance platform, defining product strategy and coordinating engineering, compliance, and operations to deliver a seamless user experience across three African markets.
- Achieved a 40% increase in early user adoption by optimizing KYC workflows, improving transaction reliability, and implementing data-driven operational processes that strengthened the platform's scalability and financial inclusion impact.

CREDIX CAM.SA **Yaoundé, Cameroon**
Business Intelligence Intern Aug. 2025 – Oct. 2025
- Queried and processed 1,000+ loan and refund records using Python to generate monthly investment memos, improving reporting accuracy and reducing preparation time by 40%; additionally facilitated internal training sessions to help staff learn and onboard onto Superset for future BI adoption.
- Built a behavioral loan-scoring engine using features like repayment rate, delinquency gaps, and borrowing frequency; trained a tuned K-Means model (Silhouette $\approx$ 0.376) to segment borrowers into risk tiers, improving credit-decision accuracy by 22%.

Preply **Remote, USA**
Business Analysis Tutor Mar. 2025 – Sept. 2025
- Trained 5+ professionals in business analysis, Excel, SQL, and data visualization**,** using real-world case studies in sales, operations, and customer support to strengthen practical analytical thinking.

KNUST Centre for Applied Research and Innovation in Supply Chain Lab **Kumasi, Ghana**
Machine Learning Intern Oct. 2023 – Nov. 2023
- Trained and optimized a facial recognition model using Python, OpenCV, and Scikit-learn, boosting CCTV identification accuracy by 30% and cutting false positives by 20% through automated preprocessing.

LEADERSHIP EXPERIENCES AND COMMUNITY ENGAGEMENT

FIBAC (Football Initiative for Bridging African Communities) **Yaoundé, Cameroon**
Coordinator and Co-founder Apr. 2025 – Present
- Coordinated 15 volunteers and 3 partner organizations, raising $2,100 to launch one-month community programs across three underserved neighborhoods.
- Mobilized 150 children by securing training fields, organizing structured participation, and delivering integrated sports, mentorship, and ICT literacy programming basics.

- Trained 80+ youth in digital skills and personal development, strengthening confidence, discipline, and long-term educational engagement through a blended sports-and-tech model

WeGrowFish   **Yaoundé, Cameroon**

Cofounder and Project Manager   Dec. 2023 – Sep. 2024

- Co-founded WeGrowFish, a community fish-farming initiative in Yaoundé that designed and managed a 300-catfish farm achieving ~90% survival.
- Trained 10 youth leaders and 60+ children in aquaculture and basic project management, building practical skills and local ownership.
- Generated nearly $900 in profit to fund school fees and food for 60 children, helping the orphanage reach ~70% financial self-sufficiency and creating a model now shared with other communities.

RESEARCH PROJECTS

Diabetes Prediction ML model using Support Vector Machine

- Built a supervised learning pipeline in Python on the Pima Indians dataset, performing data cleaning, feature scaling, and model training with SVM.
- Achieved ~77% accuracy, ~51% recall, and ~61.5% F1-score on the test set; published the mini-project and code on Zenodo to promote reproducible, transparent analysis.
- Deployed a Flask-based diabetes prediction web app on Railway with a React front end and backend API, for real-time model inference, reducing latency by 30%.

UEFA Euro 2024 Competition Prediction ML model

- Built a football match outcome predictor for UEFA Euro 2024 using web-scraped historical results, team attack/defence strengths, and a Poisson goal model.
- Calibrated team parameters and simulated match scores to estimate win/draw/loss probabilities; the model correctly predicted the tournament winner and achieved around 90% accuracy on held-out group and knockout-stage matches.

Ghanaian Food Recognition ML model – Transfer Learning with CNNs

- Trained and evaluated multiple CNN architectures (MobileNetV2, VGG16, VGG19, InceptionV3) for local food image classification, achieving up to ~88% accuracy with InceptionV3 while handling data cleaning, labeling, experiment tracking, and report drafting.

AWARDS/SCHOLARSHIPS/FELLOWSHIPS

- International Student of the year, Faculty of Computer Science, KNUST   **2024**
- Finalist at Global Youth Awards by Legacy Project, London   **2024**
- Recipient of the Mr. Francophonie Award by Alliance Francaise Kumasi   **2024**
- Fellowship to attend the Aspire Leaders Program by Aspire Institute and Harvard University   **2022**
- Fellowship to participate in the Transformative Leadership and Governance Seminar, Kumasi   **2021**

ADDITIONAL INFORMATION

Skills

- **Programming Languages and Cloud:** Python (Pandas, NumPy, scikit-learn, Matplotlib, Seaborn), R, Java, JavaScript, HTML/CSS, SQL, NoSQL (MongoDB), Azure VMs, Railway, Git/GitHub
- **BI Tools:** Power BI, Apache Superset, Excel (advanced formulas, dashboards, automation), Google Sheets
- **Data Science:** Data cleaning and wrangling, exploratory data analysis, feature engineering, supervised learning (classification, regression), transfer learning with CNNs, model evaluation and tuning, basic time series and forecasting, data visualization, predictive modeling
- **Soft skills**: Team Player/Leader, Public Speaking, Critical Thinking, problem-solving, Analytical Skills, Report writing

Other Organizational Affiliations

- South African BRICS Youth Association
- National Society of Black Engineers, KNUST
- Global Shapers Community, Yaoundé hub
- Microsoft Learn Student Ambassadors, KNUST
- Hali Access Network & Open Dream Scholar