BRIAN TEMU

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WORK EXPERIENCE

Softnet Technologies Ltd,   **Dar es Salaam, Tanzania**
Software Engineer   April 2022 - Aug 2023
- Designed and executed new features and enhancements, leading to a 15% improvement in user experience
- Reduced bugs by 25% and improved product quality through collaboration with the product owner.
- Led workshops on Tailwind CSS and Figma, achieving 90% adoption, and saving using external templates.
- Collaborated with the product owner to identify and resolve design issues.
- Implemented Scrum, achieving 20% more on-time project deliveries with 95% sprint goal success.

Tanzania Data Lab (dLab),   **Dar es Salaam, Tanzania**
Apprenticeship Machine Learning Engineer   July 2021 - Sep 2021
- Collaborated with cross-functional teams including software developers and domain experts.
- Researched and evaluated Machine Learning algorithms for recommendation engines, boosting model evaluation by 15%.
- Achieved significant performance improvements by applying transfer learning techniques, resulting in a notable increase in results.
- Expertly collected, cleaned, and transformed image data, ensuring top-quality training datasets that achieved optimal model performance

EDUCATION

University of Maryland, Baltimore County   **Baltimore, MD**
Master's in Data Science GPA: 4.0   Expected: May 2025

University of Dar es salaam   **Dar-es salaam, Tanzania**
Bachelor of Science in Computer Science   October 2022

SKILL

Programming Languages: Python, Javascript, and SQL.
Machine Learning: Pytorch, TensorFlow, MLX, and Scikit-learn. Libraries: Pandas, Numpy, Seaborn, and Matplotlib
AI/ML Skills: Large language models fine-tuning, sentiment analysis, text classification, feature engineering, and data cleaning.
Tools: ML flow, Visual Code, Jupyter Notebook, Docker, Git, and Google Colab.
Languages: English, Swahili and Arabic (*Beginner*).

RELEVANT PROJECT

Project Name: Facemask Detection System.   **Dar es Salaam, Tanzania**
Machine Learning Engineer   Jul 2022 - Oct 2022
- Proactively optimized models for robust real-world performance in diverse settings.
- Curated a diverse dataset of masked and unmasked individuals, standardizing the model for enhanced performance.
- Explored CNN, RCNN, and YOLO architectures, choosing appropriate deep-learning models by comprehensive research.

CERTIFICATION

DeepLearning.AI TensorFlow Developer Professional Certificate, *Coursera*   March 2023

ORGANIZATIONS

Tanzania Data Lab (dLab)   **Dar es Salaam, Tanzania**
Team Leader   July 2021- Sep 2021
- Automated data preprocessing reduced cleaning time by 50%, improving model training.
- Successfully researched and adapted ideal model configurations for system optimization.
- Evaluated CNN, RCNN, and YOLO to select an optimal deep-learning architecture.

University of Dar es Salaam Innovation Hub   **Dar es Salaam, Tanzania**
Member   July 2020- Sep 2020
- Applied responsive design, increased mobile traffic by 50%, and improved overall conversion rates by 20%.
- Innovative UI design led to 40% higher user engagement and a 25% lower bounce rate on the website
- Collaborated with cross-functional teams to conduct usability testing and gather feedback, resulting in the implementation of key improvements