IBIM MERCY MILLER BRAIDE **B.Eng MSc**

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WORK EXPERIENCE:

BIRMINGHAM CITY UNIVERSITY   September 2022-September 2023

MASTER'S IN COMPUTER SCIENCE STUDENT

Responsibilities included but were not limited to:

- Developed a library management system using Python, with an SQL database for efficient data management.
- Gained expertise in object-oriented programming (OOP) principles and techniques.
- Investigated the relationships between objects and learned about inheritance, facilitating code reuse and enhancing software design.
- Designed a database system using normalization techniques, ensuring data integrity and minimizing redundancy. Developed the actual database system using Structured Query Language, including creating a new set of tables to store the related data. Populated the tables with relevant data sets. Implemented queries and views to fulfill the specific service requirements of the dataset. This involved retrieving and manipulating data based on various criteria.
- Implemented machine learning models including Support Vector Machine (SVM), Logistic Regression, K-Nearest Neighbor, and Neural Network to predict stroke probabilities based on health records, achieving high accuracy scores. Contributed to a project analyzing the Stroke Prediction Dataset from Kaggle, preprocessing and analyzing the data, selecting relevant features, and evaluating model performance using the accuracy metric.
- As part of my Master's program at Birmingham City University, I conducted a research project, 'HYPERPARAMETER OPTIMIZATION IN DEEPFAKE DETECTION: A COMPARATIVE ANALYSIS.' The study aimed to improve automated deepfake detection systems by addressing false positive results. I employed advanced hyperparameter optimization techniques, namely Random Search, Grid Search, and Bayesian Hyperparameter Optimization, on a pre-trained Keras ResNet-50 model. The project involved rigorous testing and fine-tuning using the Celebrity-DF Version 1 dataset for training and validation and Celebrity-DF Version 2 dataset for testing. The study identified the most effective method for improving deepfake detection.

FRANNBERRY SCHOOL   March 2022-September 2022

INFORMATION TECHNOLOGY SUPPORT SPECIALIST

Responsibilities included but were not limited to:

- Set up and deployed computer hardware and peripherals for optimal functionality.
- Diagnosed and resolved software-related issues in computer systems.
- Offered technical assistance and support to the staff of Frannberry School.
- Installed and performed software updates on computers throughout the school.

TEK EXPERTS   March 2021-March 2022

MICROSOFT 365 TECHNICAL SUPPORT ENGINEER

Responsibilities include but are not limited to:

- Assisted Microsoft 365 customers in NOAM and EMEA regions with technical issues related to Azure Active Directory through remote support channels such as telephone, written correspondence, and remote desktop sessions.
- Maintained detailed and comprehensive documentation of support requests, including the technical work performed and research conducted.
- Managed identities and synchronization between Microsoft 365 and On-premises environments.
- Oversaw the management of identities and synchronization between Microsoft Cloud and On-premises environments, ensuring smooth integration and seamless user experiences.
- Provided technical assistance to customers in managing and troubleshooting Active Directory on-premises environments.
- Assisted with user and group management, including creating, modifying, and disabling user accounts, and managing group policies in Active Directory.
- Specialized in managing identities within Azure Active Directory, ensuring proper configuration, access control, and user authentication for various systems and applications.

PRIME ATLANTIC CEGELEC   **July 2019-February 2021**

MECHANICAL MAINTENANCE TECHNICIAN TRAINEE

Responsibilities include but are not limited to:

- Routine maintenance and installation of Pneumatic, Hydraulic, and Electrical actuator controllers.
- Routine maintenance and installation of transmission and distribution systems.
- Metal fabrication of custom-fitted metal elements.
- Routine maintenance and installation of Prime movers.

FRANNBERRY SCHOOL   **July 2017-July 2019**

INFORMATION TECHNOLOGY SUPPORT SPECIALIST

Responsibilities included but were not limited to:

- Configured and installed computer hardware and peripherals.
- Troubleshot computer system software problems and resolved them.
- Provided technical support to staff of Frannberry School.
- Installed and updated software on computers in the school.

VOLUNTEER SERVICE OVERSEAS (VSO)-NYSC VOLUNTEER PROGRAMME   **April 2016-April 2017**

NATIONAL YOUTH SERVICE CORPS (NYSC) MEMBER

Responsibilities included but were not limited to:

- Managed agricultural projects under the supervision of Volunteer Service Overseas (VSO) staff, in Lafiaji and Raba communities in Niger state, towards an increase in agricultural productivity of maize and millet.
- Educated farmers on the composition of fertilizers, pesticides, and their agricultural benefits.

EDUCATIONAL HISTORY

	QUALIFICATION	Period	INSTITUTION
1	Master of Science in Computer Science (awaiting results)	2022-2023	Birmingham City University
2	Bachelor of Engineering in Computer Engineering	2009-2015	University of Benin

CERTIFICATION(S)

	CERTIFICATION	INSTITUTION
1	Oracle Cloud Infrastructure Certified Architect Associate	Oracle
2	Oracle Cloud Infrastructure Developer Associate	Oracle
3	Oracle Cloud Infrastructure Cloud Operations Associate	Oracle
4	Oracle Cloud Infrastructure Certified Architect Professional	Oracle
5	Oracle Cloud Database Migration and Integration Specialist	Oracle
6	Amazon Web Services Certified Cloud Practitioner	Oracle
7	Certificate in Information Technology	British Computer Society, The Chartered Institute for Information Technology
8	Azure Artificial Intelligence Fundamentals	Microsoft
9	Azure Data Fundamentals	Microsoft
10	Introduction to Internet of Things	Cisco
11	Introduction to Packet Tracer	Cisco
12	Opito Global L1 Training Certificate-Basic Maintenance Practices (Mechanical) At Scqf Level 4	OPITO

SKILL(S)

SKILLS
Python; JavaScript; Hypertext Markup Language (HTML); Cascading Style Sheets (CSS); ReactJS; and Git.