

Temitope Adeniyi

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Cleveland, Ohio | [LinkedIn](#) [Github](#)

Education Cleveland State University, Ohio, USA PhD Computer Science, 2023-2027
University of Ibadan, Nigeria, MSc. Solid State Physics March 2019
Osun State University, BSc. Physics with Electronics, October 2015

Skills

Coding: Python, (PyTorch, Numpy, TensorFlow, Scikit-learn, Qiskit, QuTiP, Cirq, PennyLane, Paddle, Strawberry Fields); Working knowledge of R, C++

Technical: Machine Learning, Deep Learning, Quantum Computing, Quantum Machine Learning, Natural Language Processing, Data Science.

Other: Curriculum Development for Machine Learning and Quantum Computing. ML Training for Technical and Non-Technical Audiences, Product Management, Research Presentation, Technical Writing.

Experience

Research Assistant, Quantum and AI, Cleveland State University *01/2023 – Present*

- Developed adaptive neural network for quantum error mitigation, achieved 99% accuracy
- Designed reinforcement learning agent for optimizing quantum sensors circuit design
- Currently working on Graph Neural Networks autoencoders for quantum circuits reduction

Teaching Assistant, Quantum Machine Learning – CIS 492/593, Cleveland State University

01/2024 – 05/2024, 01/2025 – Present

- Designed Curriculum and content and Delivered lectures and labs on quantum machine learning principles. Also Mentored students on research projects and evaluated coursework.

Instructor, Quantum Computing and AI, Cleveland Workshops.

06/2023, 06/2025

- Designed and taught workshops on quantum computing and AI for high school students.
Highlight: <https://www.youtube.com/watch?v=LPMKxxVuu5o>
- Led workshops for high school and university faculty on quantum computing

Chief Innovation Officer, AI Product Manager Tech Bridge City

08/2022 – 01/2023

- Led the development of PortHarcourt's first fresh produce app.
- Oversaw prototyping and testing of innovative solutions.

Cofounder/Machine Learning PM | Deem Technologies Limited.

12/2021 – 08/2022

- Managed the Implementation of machine learning model for an Open-Source social eCommerce project for MSME
- Conducted research with over 30 first adopters to identify user needs and requirements that helped prioritize features for the development of the platform

Research Assistant, Federal University of Technology Akure

01/2020 – 12/2021

- Programmed thermodynamic property models for alloys.
- Designed ML models for predicting titanium-based alloy properties.

Director of STEM Trainings – TechBridge Consulting

08/2018 – 08/2019

- Led the design and delivery of hands-on STEM programs in Robotics, Coding, AR/VR, and more.
- Coached to STEM tutors and teachers on STEM initiatives and instructional best practices

Co-Mentor QIntern 2023, QWorld

- Mentored team Q_3 of 20 Interns and Q_11 of 15 Interns on designing a Quantum Machine learning and Quantum Sensing related projects. Selected as the 2nd best project and presentation among 18 projects.

Honors and Awards

- **Fully Funded Duke STAQ Quantum Idea Summer School (2025)**
 - **National Science Foundation Travel Grant (2024)**
 - **Femtum Leaps Award (2024)** – Quantum Rising Star for emerging women in quantum tech
 - **Petroleum Technology Development Fund (2023)** – Doctoral Study Scholarship
 - **Next African Product Manager (2022)** – Scholarship for Product Management Training
 - **SheVentures Grant (2022)** – 1st Runner-up, Women in Tech Pitch Competition
 - **Founders Live, Lagos (2020)** – First Place, Startup Pitch Competition
 - **Tech Expo Africa Grant (2019)** – First Place, Business Idea Pitch Competition
 - **AWIT (2018)** – First Place, Startup Pitch Competition
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Leadership and Other Experience

Reviewer for Journal of Engineering, IET & Wiley
Conveners and Coordination Team, African Quantum Consortium
Co-Organizer, IBM Qiskit Fall Fest, Cleveland State University
Organizing Team, 2024 NASA Space Apps Challenge
Judge BEST Medicine Engineering Fair, Cleveland State University April 2024

Judge and Advisor, 2SV 2024 AI for Impact Hackathon, July 2024.
Vice President Quantum Computing Club, Cleveland State University
Founder, STEM Zone Nigeria
Cofounder/ ML PM, Deem Technology ltd (2022)
Regional Ambassador, Women in Data Science

Hobbies Reading, Drawing and Teaching

Publications

Adaptive neural Network for Quantum Error Mitigation, Published 2025, Quantum Machine Intelligence Journal. Authors: **Temitope Adeniyi**, Sathish Kumar

Reinforcement Learning Actor Critic and Policy Gradient for Optimised Quantum Sensor Circuits, , IEEE Quantum Computing and Engineering Conference 2024. Authors: **Temitope Adeniyi**, Sathish Kumar

Adversarial Autoencoder for Denoising and Signal Recovery in Quantum Gyroscopes. Published August 2023, IEEE Cognitive Communication for Aerospace Application Workshop. Authors: **Temitope Adeniyi**, Sathish Kumar

Design of Quantum Machine Learning Course for a Computer Science Program, Published September 2023, 2nd IEEE Quantum Science and Engineering Education Conference, Authors: Sathish Kumar, **Temitope Adeniyi**, Ahmad Alomari, Santanu Ganguly