Habeeb Babatunde

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Passionate third-year PhD candidate in Data Science, specializing in chemometrics and data analysis for complex chemical datasets, particularly in the dairy industry. Skilled in leveraging advanced analytical techniques, statistical modeling, and rigorous problem-solving to drive innovation and process optimization. Seeking internship opportunities in chemometrics, data science, NLP, and data engineering to apply academic expertise and practical experience toward data-driven solutions.

TECHNICAL SKILLS

Languages and Libraries: Python, Matlab, SQL, JavaScript, R, Keras, Tensorflow, QSAR, Langchain, LM Studio, NLP, LLM
Frameworks and Developer Tools: Flask, PySpark, Git, Docker, Google Cloud Platform, VS Code, Mage, Terraform, AWS

EDUCATION

Boise State University (Distinction) — Boise, ID
PhD. in Computing, Data Science Emphasis — *Aug. 2021 – Aug. 2025*

University of Stirling (Distinction) — Stirling, SCT
Master of Science in Financial Technology — *Aug. 2019 – Aug. 2020*

Federal University of Technology, Akure (Distinction) — Akure, NGA
Bachelor of Technology in Industrial Mathematics — *Aug. 2014 – May 2018*

RELEVANT COURSEWORK

- Data Mining
- Data Analysis
- Large Scale Data Analysis
- Probability and Statistics
- Introduction to Data Science
- Machine Learning

EXPERIENCE

Graduate Research and Teaching Assistants — Aug. 2021 – Present
Owen McDougal's lab, Boise State University — *Boise, ID*
- Graded assignments, quizzes, and exams for the "Computational Methods (CE 284)" course
- Successfully secured funding from Daisy Brand for the quantitative analysis of proteins in milk using chemometrics coupled with Infrared (IR) spectroscopy
- Published outcomes of the research in reputable journals https://doi.org/10.3390/foods13010166

Graduate Research and Teaching Assistants — May 2019 – Aug. 2019
Michael Okpara University of Agriculture — *Umudike, Abia*
- Assisted in giving lectures in Introductory Mathematics to first-year students
- Worked with the Head of the Department (Mathematics) in computing the grades of approximately 500 students using Ms. Excel

Intern — June 2017 – Nov. 2017
Fluid Dynamics Research Group, FUTA — *Akure, NGA*
- Worked under national and international researchers in the field of fluid mechanics and mathematics education
- Jointly published three research papers in top-rated journals scholar.google.com/citations?hl=enuser=Kp1MxhsAAAAJ

PROJECTS

Analysis of α-LA and β-LG protein in milk | *Mid IR, Machine Learning, Chemometrics* — Jan 2022 – Jan 2024
- Generated milk spectra using MIR spectrometer
- Developed a SVR chemometrics for rapid quantification of β-LG and α-LA in milk using MIR
- Published the result at the Foods journal https://doi.org/10.3390/foods13010166

Mobile Financial Application | *Ionic, Angular, Firebase, Truelayer API* — June 2020 – Aug. 2020
- Developed a mobile financial application that can access customers' bank accounts, balances, and transactions
- Implemented OAuth to get data from user's bank and Firebase for storing customers' data

CERTIFICATION

Introduction to AI Orchestration with LangChain and LlamaIndex — April. 2024
Intensive Cloud Computing Hands-on Training — April. 2024
NIR training course by Bruker — March 2023
Applied Machine Learning: Algorithm by LinkedIn — Feb. 2020

Graduate Assistantship, Boise State University	2021–Present
Commonwealth Shared Scholarship, United Kingdom	2019 – 2020
Silver medal at the National Mathematics Competition for University Student	2019
Special recognition award for branding FUTA	2018
Winner of National Association of Science Students academic excellence award	2018
Best Graduating Student, Department of Mathematical Science, FUTA	2018