

Habeeb Babatunde

✉ habeebbabatunde@u.boisestate.edu | in linkedin.com/in/habeeb-babatunde-32548bb1/ | github.com/habeeb3579

Passionate third-year PhD student in Data Science specializing in Data science and chemometrics, dedicated to leveraging advanced analytical techniques to analyze complex chemical datasets, particularly in Dairy. Committed to applying expertise in data analysis and statistical modeling to drive innovation and optimize processes within the Dairy industry. Eager to transition into roles utilizing academic background, rigorous problem-solving skills, and practical experience to contribute to data-driven solutions.

TECHNICAL SKILLS

Languages and Libraries: Python, Matlab, SQL, JavaScript, R, Keras, Tensorflow, QSAR

Frameworks and Developer Tools: Flask, PySpark, Git, Docker, Google Cloud Platform, VS Code, Mage, Terraform

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
- Large Scale Data Analysis
- Introduction to Data Science
- Data Analysis
- Probability and Statistics
- 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=en&user=Kp1MxhsAAAAJ

PROJECTS

Analysis of α -LA and β -LG protein in milk | Mid IR, Chemometrics

Jan 2022 – Jan 2024

- Generated milk spectra using MIR spectrometer
- Obtained reference values for α -LA and β -LG in milk using HPLC
- 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

NIR training course by Brucker

March 2023

Applied Machine Learning: Algorithm by LinkedIn

Feb. 2020

AWARDS

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