

2562 W Boise Ave,  
APT 1, Boise

**Habeeb Abolaji BABATUNDE**  
+2089736246 habeebbabatunde@u.boisestate.edu  
+447746616561 hab00119@students.stir.ac.uk

## **EDUCATION**

---

**Boise State University, Idaho, United States.**

**PhD in Computing (Data Science Emphasis)**

**2021-2025**

**Key module(s):** Data Science, Machine Learning, Large Scale Data Analysis, Computational Statistics.

- CGPA of 4.00 out of 4.00

**University of Stirling, Scotland, United Kingdom.**

**MSc. in Financial Technology – Distinction**

**2019-2020**

**Key module(s):** Blockchain Technologies, Cybersecurity, Mobile Financial Applications, Data Analytics, Business Ethics.

- Thesis: Ionic-Angular based Mobile Financial Application using Truelayer API.
- CGPA of 4.89 out of 5.00

**Federal University of Technology Akure (FUTA), Nigeria.**

**Bachelor of Technology in Industrial Mathematics - Distinction**

**2013 – 2018**

- Undergraduate Thesis: Response of non-uniform Timoshenko beams to different kinds of load models (Concentrated and Distributed load models).
- Joint best graduating student with a CGPA of 4.75 out of 5.00

## **WORK EXPERIENCE**

---

**Graduate Assistant at Michael Okpara University of Agriculture, Umudike, Nigeria. May 2019- Aug. 2019**

- Assisted some lecturers in giving lectures on Introductory Mathematics to the year 1 students.
- Worked with the Head of the Department (Mathematics) in computing the grades of the students.

**Mathematics teacher at Zulhaj Muslim Schools, Ogun state, Nigeria.**

**Jan. 2019-March 2019**

- In charge of teaching the students mathematics and its applications.
- Introduced the students to the basis of MATLAB and how it can be used to solve basic mathematical operations.

**Internship at Fluid Dynamics Research Group, FUTA.**

**June 2017-Nov.2017**

<https://anizakph2007.wixsite.com/frgfuta>

**Research Area(s):** Fluid mechanics and Mathematics Education.

- Worked under national and international researchers in the field of fluid mechanics and mathematics education.
- Jointly published three research papers in top rated journals with one currently under review.

## **PROJECT(S)**

---

**Mobile Financial Application using Open Banking Project API.**

**Jan 2020- May. 2020**

**Ionic-Angular based Mobile Financial Application using Truelayer API.**

**June. 2020-Aug. 2020**

- Developed a mobile financial application that can access customers' bank accounts, account balance and transactions.
- Used Firebase for storing customers' data.

## **PUBLICATIONS**

---

I.L., Animasaun, R.O., Ibraheem, B., Mahanthesh and **H.A., Babatunde** (2019), A meta-analysis on the effects of haphazard motion of tiny/nano-sized particles on the dynamics and other physical properties of some fluids, *Chinese Journal of Physics*, Elsevier, <https://doi.org/10.1016/j.cjph.2019.06.007>

Animasaun, I.L, Koriko, O.K., Adegbe, K.S., **Babatunde, H.A.**, Ibraheem, R.O., Sandeep, N. and Mahantlesh, B. (2019). Comparative Analysis between 36nm and 47nm Alumina-water nanofluids flows in the presence of Hall current, Journal of Thermal Analysis and Calorimetry, Springer, <https://doi.org/10.1007/s10973-018-7379-4>

Shah, N.A., Animasaun, I.L., Ibraheem, R.O., **Babatunde, H.A.**, Sandeep, N. and Pop, I. (2018), Scrutinization of the effects of Grashof Number on the flow of different fluids driven by convection over various surfaces, Journal of Molecular Liquids, Elsevier, 249, 980-990, <https://doi.org/10.1016/j.molliq.2017.11.042>

## **AWARDS AND AFFILIATIONS**

- **Commonwealth Shared Scholarship, United Kingdom** **2019**  
Fully funded Postgraduate scholarship to study MSc. Financial Technology at the University of Stirling, UK sponsored by the Commonwealth Scholarship Commission, UK in partnership with the University of Stirling.
- **Silver medal at the National Mathematics Competition for University Student (NAMCUS), Nigeria** **2018**  
Represented my school at the National Mathematics Competition for all tertiary institutions in the country Where I was one of the best 10 mathematicians.
- **Runner up of the National Mathematics Competition for University Student (NAMCUS)** **2018**  
won the second-best institution in Nigeria (in mathematics) and qualified to represent the country at the international level (International Mathematics Competition which was held in Bulgaria.)
- **Winner of National Association of Science Students (NASS Nigeria) academic excellence award** **2018**
- **Special recognition award for branding FUTA** **2018**  
Got an award from my undergraduate institution for representing the institution at the national mathematics competition and for my academic performance.
- **Joint Best Graduating Student, Department of Mathematical Science, FUTA** **2018**
- **Abdulkabir Aliu Scholarship by Abdulkabir Aliu Scholarship Foundation** **2015 -2018**  
One of the best 10 students selected for the award which is worth #400,000 (around £1,000)
- **Assistant Head Boy, Kingston High School, Nigeria** **2009**
- **Academic excellence award, Kingston High School** **2006**  
Got an award for being the best student in my class.

## **PRESENTATIONS**

- **A survey on two blockchain consensus mechanisms; Proof of work and Proof of stake with a brief explanation on Tezos and Algorand:** Presented at the Department of Computing sciences and Mathematics, University of Stirling **25<sup>th</sup> of November 2019.**
- **Designing widgets using JQuery mobile:** Presented at the Department of Computing sciences and Mathematics, University of Stirling **25<sup>th</sup> of February 2020.**

## **WORKSHOPS AND CONFERENCES**

- **Dimensionality Reduction in non-Euclidean Spaces** **13<sup>th</sup> Sept. 2019**  
At University of Stirling
- **2022 Build Dairy Annual Meeting, Provo, Utah** **14-17th June, 2022**  
Presented the quantitative and qualitative analysis of proteins in Milk using Chemometrics

## **CERTIFICATIONS**

- **Pytorch Essential Training: Deep Learning** through LinkedIn Learning **Sept 2020**
- **NLP with Python Essential Training** through LinkedIn Learning **Sept 2020**
- **Ionic 4.0 by Sanni Yusuf** through LinkedIn Learning **June 2020**
- **Applied Machine Learning: Foundation** through LinkedIn Learning **Feb. 2020**
- **Applied Machine Learning: Algorithm** through LinkedIn Learning **Feb. 2020**
- **Blockchain Basics** through LinkedIn Learning **Feb. 2020**
- **Ethereum: Building Decentralized Apps (DApps)** through LinkedIn Learning **Feb. 2020**
- **JQuery Essential Training** through LinkedIn Learning **Feb. 2020**
- **Blockchain: Learning Solidity** through LinkedIn Learning **Dec. 2019**

## **VOLUNTEERING/LEADERSHIP**

---

- **National Youth Service Corps Community Development Service, Nigeria (Education Group) June 2019**  
Sensitization Programme for secondary school students in Abia State on the impact of education.
- **University of Stirling representative** **Sept. 2019-Present**  
Commonwealth Scholarship Commission, UK

## **SKILLS**

---

**Programming:** MATLAB, Python, Vbasic, Fortran, HTML, Javascript, jQuery, CSS, Typescript, Ionic, Angular, Node.js, R.

**Data Analysis:** Orange, Python, SPSS, R

**OS/Software:** Windows, Latex, MS Office applications

**Others:** Excellent research and decision-making skills

## **REFERENCES**

---

**Prof. Kolawole Sunday Adegbe**

Head of Department of Mathematical Sciences, FUTA, Nigeria.

[ksadegbie@futa.edu.ng](mailto:ksadegbie@futa.edu.ng)

+2349035463348

**Dr. Isaac Lare Animasaun**

Lecturer, Department of Mathematical Sciences, FUTA, Nigeria.

[ilanimasaun@futa.edu.ng](mailto:ilanimasaun@futa.edu.ng)

+2348034117546

**Dr. Mario Kolberg (Msc. Supervisor)**

Senior Lecturer,  
Computing Science and Mathematics,  
School of Natural Sciences,  
University of Stirling.  
Stirling FK9 4LA  
Scotland, UK

[mko@cs.stir.ac.uk](mailto:mko@cs.stir.ac.uk)

+44 (0)1786 46 7440

**Dr. Ayodeji Sunday Afolabi**

Lecturer, Department of Mathematical Sciences, FUTA, Nigeria.

[asafolabi@futa.edu.ng](mailto:asafolabi@futa.edu.ng)

+2348034962666