**NAHEEM ADEBISI**

Environmental Scientist || Remote Sensing & GIS Analyst || GeoApp Developer || AI enthusiast

Email: [adebisi.naheem@gmail.com](mailto:adebisi.naheem@gmail.com) **·** Phone: (+234) 8162270129 **·** <https://surfix.github.io/cv/>

**Education**

**BOISE STATE UNIVERSITY (BSU)**, USA July 2021-present   
PhD in Geoscience

***Thesis:*** *“Retrieval Of Snow Depth And Snow Water Equivalent From L-Band Insar”*

**UNIVERSITY OF TECKNOLOGY PETRONAS (UTP)**, Malaysia June 2019-June 2021   
MSc in Civil and Environmental Engineering

***Awards and Honors:*** *UTP Graduate Research Assistanship Scheme, 3 Minute Thesis, IGRSM sponsorship to 2019 Asian Conference on Remote Sensing, Travel grant to 2020 PORSEC conference*

***Thesis:*** *“National Scale Mapping and Modelling of Sea Level Rise Using Geospatial Technology and Machine Learning models”*

**FEDERAL UNIVERSITY OF TECHNOLOGY AKURE (FUTA)**, Nigeria Oct. 2011 – Sep. 2016  
BTech in Surveying and Geoinformatics CGPA: 4.74/5.0

***Awards and Honors:*** *Dean’s Merit, Best graduating student (2016) Department of SVG.*

***Thesis:*** *“Virtual 3D modelling of FUTA’s Library using close range photogrammetry”*

**Work Experience**

**GEOSPATIAL ANALYSIS AND MODELLING RESEARCH GROUP,** Malaysia June 2019-Present

Research Assistant

Conducting research to:

Estimate sea level rise over Malaysia coast using altimetry satellite and tide gauges

Assess coastal vulnerability and develop predictive models using Deep Learning of ANN

**TEQBRIDGE LIMITED,** NigeriaJan 2019 – June 2019

Cadastral Officer

Producing and managing maps, analyzing data and development of Land Information System (LIS).

**GISKONSULT LIMITED,** NigeriaJan 2018 – Dec 2018

GIS Analyst

Developing and maintaining WebMap/App for Ibadan Urban Flood Management Project

**E-SENSE TECHNOLOGY LIMITED,** NigeriaJan 2017 – Dec 2017

GIS Analyst

Developing websites and producing Maps.

Conducting land surveying and plotting of plans

**Teaching Experience**

**UNIVERSITY OF TECHNOLOGY PETRONAS,** Malaysia June 2019 – June 2021

Teaching Assistant

Taught and marked test papers, assignments, quizzes and lab report for the following courses:

FEM2063- Data analytic and machine learning (Sep 2020) (taught [online](https://www.youtube.com/watch?v=yrVVN29oCPI&list=PL-FIXVWT0KyXXwo7XXFYnvYXh2e_m4Rl1) due to Covid-19 pandemic)

FBT0015- Structured algorithm and programming (Sep2020) (taught online due to Covid-19 pandemic)

VDB4023- GIS for Engineer (Sep2019 and 2020) (Hands-on training with [lab demonstration](https://www.youtube.com/watch?v=SrX0h_bYloY&t=1s))

VDB3011- Engineering Surveying II (June 2019)

**SURVIX TUTORIAL CENTRE,** Nigeria Sept 2016 – Sept 2018

Director and Head of Science Class

Designed Curricula, managed the tutorial centre and taught science classes.

Subject: Chemistry, Physics, General and Advanced Mathematics.

**Publication and Presentation**

**PUBLISHED PAPERS**

Abdul-Lateef Balogun & Naheem Adebisi (2021). [Sea level prediction using ARIMA, SVR and LSTM neural network: assessing the impact of ensemble Ocean-Atmospheric processes on models’ accuracy](https://www.tandfonline.com/doi/full/10.1080/19475705.2021.1887372). Geomatics, Natural Hazards and Risk, 12:1, 653-674, DOI: 10.1080/19475705.2021.1887372

Adebisi, N., Balogun, A.-L., Min, T.H., Tella, A., 2021. [Advances in estimating Sea Level Rise: A review of tide gauge, satellite altimetry and spatial data science approaches](https://www.sciencedirect.com/science/article/pii/S0964569121001174?via%3Dihub). Ocean & Coastal Management 208, 105632. DOI: <https://doi.org/10.1016/j.ocecoaman.2021.105632>

Adebisi, N., & Balogun, A. L. (2021). [A deep-learning model for national scale modelling and mapping of Sea level rise in Malaysia: The past, present, and future.](https://www.tandfonline.com/doi/abs/10.1080/10106049.2021.1958015) Geocarto International, 1-23.

**PAPERS UNDER REVIEW**

Can Artificial Intelligence enhance Sea Level Rise Projections? A review of advances in Spatial Data Science, Machine Learning & Deep Learning for predicting Sea Level Variation. *In review in Geomorphology*

Assessing the impacts of rising sea level on coastal morpho-dynamics with automated high frequency shoreline mapping using multi-sensor optical satellites. *In review in Remote Sensing*

**PAPERS IN PREPARATION**

Satellite Derived Shoreline: A Meta-Analysis and Synthetic Review of detection techniques and change analysis methods. *In Preparation for Remote Sensing*

**PRESENTATION**

2019 Asian Conference on Remote Sensing (ACRS2019) (Oral)

To present at the 2020 Pan Ocean Remote Sensing Conference (postponed till 2021 due to Covid-19 pandemic)

**Extacurricular and Volunteer Experience**

**IMISI 3D AUTISIM VR** Sept 2020 - Present

Supporting a Virtual Reality project aimed at teaching people how to interact with Autistic children.

**INTERNATIONAL SUPPORT NETWORK FOR AFRICA DEVELOPMENT** June 2019 - Present

ICT Associate

**POST GRADUATE SOCIETY OF CIVIL AND ENVIRONMENTAL ENGINEERS, UTP** Jan 2019-Jun 2021

Assistant Social and Welfare Director

**SDGs, COMMUNITY DEVELOPMENT SERVICE (CDS), GROUP** Jan 2017 – Dec. 2017

President

**ORGANIZATION FOR YOUTH EMPOWERMENT(OYENIGERIA)** Jan 2012 – Dec 2014

President

**Skills & Interests**

**Programming/Library:** Matlab, Python, R, Javascript, sklearn, TensoFLow, Pytorch

**Software/Engine:** ArcGIS, QGIS, Erdas, SNAP, Google Earth Engine, Power BI

**Interests:** Climate science & human impacts, ocean-glacier interactions, cryosphere, coastal dynamics

**Expertise:** Remote Sensing and Big Earth Observation Data Analytics, Machine and Deep Learning, Web Development