

# Michael A. Akinola

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<https://github.com/teamindelible>

[www.linkedin.com/in/michael-akinola](http://www.linkedin.com/in/michael-akinola)

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<b>Profile</b>	Target and result-oriented data scientist, deploying advanced data analytics techniques and machine learning algorithms to build predictive models. Proficient in Python, R, Scala, SQL, Power BI, and MS Excel. Seeking opportunities in Data Science or Machine Learning domain.
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<b>Education</b>	<b>Austin Peay State University, Clarksville, TN.   M.S. Computer Science &amp; Quant. Methods (4.0/4.0) May 2021</b>
	<b>University of Lagos, Lagos, Nigeria   M. Sc. Physics (3.0/4.0) May 2017</b>
	<b>Obafemi Awolowo University, Ile-Ife, Nigeria   B. Sc. Physics (3.12/4.00) February 2013</b>

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<b>Skills</b>	<ul style="list-style-type: none"><li>• <b>Classical Machine Learning and Deep Learning using R and Python:</b> Build Regression, Classification, Clustering, Time Series Analysis, Natural Language Processing, Neural Networks models to solve problems</li><li>• <b>Advanced Data Analytics and Visualizations:</b> Power BI, R and Python for Exploratory Data Analysis (EDA), Data Visualizations and Feature Engineering</li><li>• <b>Statistical Analysis using Python, R, and SAS:</b> Maximize statistical methods such as hypothesis testing and confidence interval techniques on datasets to gain more insight, for decision making and EDA</li><li>• <b>Data Modeling and Extraction:</b> Scala and SQL for Data Extraction, Transformation and Loading into appropriate environment for predictive analytics and modeling</li><li>• <b>Cloud/Platform computing:</b> Data analytics and Machine Learning experience on Amazon Web Service, Google Cloud Platform, Microsoft Azure Databricks, and C3 AI</li></ul>
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<b>Work Experience</b>	<b>Data Scientist   Cummins Incorporation, Columbus, IN June 2021 to Present</b> <ul style="list-style-type: none"><li>• Re-designed and optimized fault diagnostics model originally written in Scala, Python and PySpark for re-usability in Python using appropriate data containing fault codes of interest to eliminate some troubleshooting tree steps and reprioritize troubleshooting tree steps for engine repairs</li><li>• Coached engineers on data scientist projects from data gathering to modelling using a no-code predictive analytics tool. These projects are then productionized in a full-code environment by a data scientist like me</li><li>• Improved the content and learners experience of a Self-Service Data Scientist training (a program created to train engineers on how to use data science and analytics techniques to solve engineering/automotive problems) by assessing feedback and providing modifications</li><li>• Did comprehensive code review, data migration/loading testing, model testing and validation to ascertain the effectiveness and efficiency of an optimization model which investigates individual engine fuel economy and recommends changes in parameters to help improve potential fuel economy</li></ul>
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	<b>Data Scientist Intern   Cummins Incorporation, Columbus, IN June to August 2020</b> <ul style="list-style-type: none"><li>• Extracted Claims data and performed statistical analyses using Python to generate features/KPI to strengthen the confidence in identifying high risk service providers and to make informed and appropriate decisions for implementation of any needed changes in warranty administration in terms of financial audit or training</li><li>• Recommended Parametric Statistical Anomaly Detection Technique to support moving forward with development of a risk detection tool (bottom line financial impact/identification of training needs)</li><li>• Generated a slide deck communicating the business case for future development of a risk detection tool to move seamlessly from the intern project to a proposal for a Proof of Concept (POC) project</li></ul>
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	<b>Data Analyst   Bytewise Solutions, Lagos, Nigeria January 2018 to July 2019</b> <ul style="list-style-type: none"><li>• Solved business problems in product analysis, demand planning for products and markets by deploying advanced data analytics capabilities in MS Excel and Power BI, and provided reports and presentations</li><li>• Scrapped data from websites and did sentiment analysis using Python to develop marketing strategy for new products</li></ul>
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## Personal Projects

- <https://github.com/teamindelible>
- Customer Segmentation
- Sentiment Analysis
- Recommender System

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## Awards and Activities

**2020 Graduate Teaching Assistant Excellence Award** | Austin Peay State University, Clarksville, TN

**2017 3rd Best Researcher (Science)** | University of Lagos Annual Conference, Nigeria

**Volunteering Experience** (UNICEF and SFH sponsored project) | Nigeria **March 2014 to February 2015**

- Mentored over 100 teenagers on Reproductive Health and HIV/AIDS Prevention and Care