

# Izuchukwu John Mbonu

## Data Scientist

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## TECHNICAL SKILLS

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**Development:** Python, NumPy, Pandas, Scikit-learn, SQL, R, Excel, Scala, Spark, Flask, Plotly

- Hypothesis testing, Heroku, Feature engineering, Matplotlib, Predictive Analysis,
- Regression and Classification analysis, Machine Learning
- SQL, PostgreSQL, Docker, GitHub, VS Code
- **Additional: Algorithms, Architecture, Debugging, Deployment**

## PROJECTS

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- **Tanzanian Water Pump|ClassificationModel** | Pandas|Python|Jupyter Notebook|Numpy|Matplotlib|category\_encoder |  
<https://github.com/Izuchukwu1-king/Tanzanian-water-pump-predictions>
- Built a model to predict the functionality of the water pump.
- Interpreted data for the water pump showed functional, non-functional and functional needs repairs
- Purpose is to help the Tanzanian Government repair their water pump
- Built a model that predicts home prices in Iowa|LinearRegression Model| Pandas|Python|Jupyter Notebook|Numpy|Matplotlib|category\_encoder |  
[https://github.com/Izuchukwu1-king/demo\\_data.py/blob/main/Predicting\\_Home\\_Prices\\_DS\\_Sprint\\_Challenge\\_5.ipynb](https://github.com/Izuchukwu1-king/demo_data.py/blob/main/Predicting_Home_Prices_DS_Sprint_Challenge_5.ipynb)
- The goal of this regression model is to build a model that predict the sale price of a house in Aimes, Iowa.
- Wrote code to interact with SQLite database|Jupyter Notebook|Sqlite3|Python| Pandas|Python|Numpy|Matplotlib|category\_encoder |  
[https://github.com/Izuchukwu1-king/demo\\_data.py/blob/main/demo\\_data.py](https://github.com/Izuchukwu1-king/demo_data.py/blob/main/demo_data.py)
- The aim is to queries the northwind\_small database

**Chicago Food Inspection|LinearRegression Model|Python** | Pandas|Python|Jupyter

Notebook|Numpy|Matplotlib|category\_encoder |

[https://github.com/Izuchukwu1-king/Chicago-Food-Inspection/blob/main/Copy\\_of\\_DS\\_Sprint\\_Challenge\\_2\\_3.ipynb](https://github.com/Izuchukwu1-king/Chicago-Food-Inspection/blob/main/Copy_of_DS_Sprint_Challenge_2_3.ipynb)

Built a model to predict whether a food establishment would pass inspection or not before the inspectors arrival

- Purpose is to help inspectors use their time more efficiently by identifying establishments that will likely fail inspection

## EXPERIENCE

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- Celdongroup Nigeria LTD, Technical Head, 2019 –Present
- FCM Bank, Sales Personnel, 2016 -2016
- Achieved 50% of sales by marketing and identifying new revenue generating opportunities

- Achieved 50% fixed deposit target to enhance revenue growth
- Achieved 50% in the issuance of loan to the targeted company workers
- PHEDC, Contract Field Technician, 2016-2019
- Achieved 80% resolution of the customers electrical prepaid meter issue to enhance customers' regular purchase of prepaid meter tokens.
- Became the best technician among other technicians due the capacity to resolve any kind of issue when others has failed.
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- Achieved 80% resolution of faulty meters in the franchise area
- Promoted to become project manager and also as the technical head.

## EDUCATION

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**BloomTech, Data Science Program**

2024-Present

**Abia State University Uturu, Industrial Physics**

2007-2012