

## EMMANUEL IKOGHO OKEOGHENE

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### EDUCATION

<b>Electrical Engineering</b> University of Benin, Nigeria.	Aug. 2018 – Present
<b>Data Analyst Professional</b> Azubi Africa	Sep. 2022 – Jun. 2023

### WORK EXPERIENCE

<b>Data Analyst Intern, Linkorion Technologies, Nigeria.</b>	Jun. 2023 – Present
<ul style="list-style-type: none"><li>• I Prepare raw datasets provided by stakeholders for data analysis and machine learning, ensuring data quality, integrity, and compatibility with the project requirements.</li><li>• Developed and implemented traditional time series models to forecast future sales of drugs for a pharmacy, resulting in a 5% improvement in prediction accuracy. This helps to prevent overstocking of drugs.</li><li>• Actively contributed to the company's blog by writing insightful articles on data science topics, resulting in a significant increase in blog ratings from 500 to 3000 within just 2 weeks.</li></ul>	
<b>AI Community Surfer, Telus International, Remote (Part-Time)</b>	May. 2023 – Jul 2023
<ul style="list-style-type: none"><li>• Answered questions from users in the AI community about machine learning and data science.</li><li>• Contributed to the development of educational resources such as videos for the AI community.</li><li>• Collaborated with other AI community surfers to improve accuracy of training for hit apps.</li></ul>	
<b>Teacher's Assistant, KidsCode Innovation Hub, Nigeria.</b>	Feb. 2020 – Apr. 2020
<ul style="list-style-type: none"><li>• Helped students at to win 2nd place at tech festival.</li><li>• Worked with lead teacher to organize projects aimed at teaching kids how to code.</li></ul>	

### VOLUNTEERING EXPERIENCE

<b>Lab Assistant, Reliance Medical Laboratory, Nigeria.</b>	Mar. 2022 – Nov. 2022
<ul style="list-style-type: none"><li>• Greeted 100 patients per week and answered 200 questions about tests, requirements, and opportunities.</li><li>• Improved the accuracy of patient records by 5% by implementing data entry system with google sheets.</li></ul>	

### PROJECTS

<b><u>Predicting Customer Churn</u></b>	May. 2023 – Jun. 2023
<ul style="list-style-type: none"><li>• In this project, the goal was to predict customer churn for a telecom company by analyzing various customer attributes and behaviors.</li><li>• I trained 6 different machine learning algorithms, compared and evaluated them using default hyperparameters. After which I fine-tuned the best performing model using GridsearchCV which gave it 2% more accuracy.</li><li>• I collaborated with a team to conduct an exploratory data analysis on the dataset, and provided valuable insights and recommendations for improving customer retention in the telecommunications company.</li></ul>	
<b><u>Sentiment Analysis</u></b>	Feb. 2023 – Mar. 2023
<ul style="list-style-type: none"><li>• We used hugging face transformers to fine-tune models that predict the emotion of covid-19 tweets. The model was deployed as a web application using streamlit.</li><li>• I worked with a team to conduct data preprocessing and tokenization of the text data. We used GPU runtime on Colab which significantly shorted the runtime of training.</li></ul>	
<b><u>Classification: Detection of Sepsis</u></b>	Jan. 2023 – Feb. 2023
<ul style="list-style-type: none"><li>• We developed a model using clinical data to accurately identify sepsis risk. We deployed the model as a FastAPI-based API using Docker.</li><li>• I cleaned the dataset and created new features for the dataset which raised the evaluation score of the best performing model from 0.69 to 0.89.</li></ul>	

### SKILLS

**Technical skills:** python, mySQL, power BI  
**Others:** Streamlit, Docker, FastAPI, Excel, Gradio