

IBRAHIM ABDULKAREEM

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OBJECTIVE:

Highly motivated and detail-oriented data analyst with proficiency in R, SQL, and Python programming languages, seeking internship opportunities where Technical skills can be leveraged and professional skills can be exercised.

EDUCATION:

Austin Peay State University, *Clarksville, TN* *Expected graduation: May 2021*
Master of Science: Computer Science and Quantitative methods GPA: 4.0
Relevant Courses: **Machine Learning, Database management, Statistics and Probability**

Kwame Nkrumah University of Science and Technology (KNUST) *Kumasi, Ghana* *June 2017*
Bachelor of Science: Electrical/Electronics Engineering GPA: 3.56/4.0

TECHNICAL SKILLS:

- **Software:** RStudio, MySQL, Jupyter Notebook, Microsoft Excel
- **Languages:** R, SQL, Python
- **Mathematics:** Linear Algebra and calculus
- **Statistics and Probability**
- **Predictive Analytics**
- **Libraries:** Numpy, pandas, Scikit-learn, Matplotlib
- **Machine Learning:** Regression, classification, clustering

WORK EXPERIENCE:

EKO ELECTRICITY DISTRIBUTION COMPANY *December 2018 to July 2019*

GEOGRAPHICAL INFORMATION SYSTEM DATA ANALYST (TRAINEE)

- Obtained and maintained accurate geographic, commercial & technical data for the regions where the organization has operational foot print.
- Leveraged demographic data using GIS (Geographic information system) to generate advanced specialized maps for data analysis to help identify company's assets remotely.
- Evaluated the performance of Electrical components and recommended upgrades and maintenance.
- Recommended implementation of a program for accurate mapping of company assets which involved using drones to capture and record data about Transformers, Ring main unit, electric poles for further analysis. Implementation of this program reduced manual labor, and improved employee productivity.

PROJECT EXPERIENCE:

Customer Churn Project

- Developed customer churn rate engine trained on a 76mb transactional dataset from a telecommunications company with features like monthly charges and total charges.
- Explored the dataset and created visually impactful dashboards to understand the dataset.
- Explored the data for feature correlation to the target variable and dropped features that had no impact on my prediction.
- Built a logistic regression model in R which outperformed other models with an accuracy of 80%.

Spam Email detection Project

- Analyzed dataset containing text from spam and non-spam emails.
- Preprocessed the dataset with the "TM" library in R for word cloud conversion.
- Developed a Random Forest model to classify each e-mail as spam or non-spam and achieved an accuracy of 83.5%
- Displayed effectiveness of model application in detecting phishing emails sent to students' email accounts.

Superbowl Game Data Analysis Project

- Utilized Python to Load, clean, and explore Super Bowl game, television, and halftime show data using the "pandas" package.
- Visualized the distributions of combined points, point differences, and halftime show performances using histograms from the "Matplotlib" package.
- Performed analysis, using line plots, bar plots, histograms and scatterplots, to study the effect of increases in advertisement costs on viewership.

LEADERSHIP

- Sports Chairman, KNUST International Students Association 2017

PROFESSIONAL AFFILIATIONS:

- Society of Women Engineers | Institute of Electrical and Electronics Engineers