

# **Peter OKOLIE**

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## **SUMMARY**

Enthusiastic and Goal-oriented Data Analyst with over 7 years' experience successfully assisting companies by developing and implementing data analysis and visualization used to enhance operational standards, team organisation, and employee engagement strategies.

An analytical storyteller expert in Identifying, collecting, and migrating data to and from a range of systems. Creative and personable leader with top-notch skills in investigation, decision-making, organising information, prioritising tasks, and approaching issues with analytical mind-set.

## **SKILLS**

- The ability to analyse, model and interpret data
- Possess strong numerical skills.
- Experience of Microsoft dynamic & APIs.
- Accuracy and attention to detail
- Statistical Process control
- Methodical and logical approach towards problem solving.
- Outstanding interpersonal skills
- Understanding of data science techniques and well as data visuals.
- Ability to manipulate, analyze and interpret both financial and business data.
- Stakeholder Management
- Risk Management
- Change Management
- Database Design
- Understanding of programming languages as well as Microsoft technologies
- Effective Communication
- Advanced keyboard Skills
- Time Management
- Ability to work independently and in a team environment.
- Data Automation

## **TOOLS**

- Microsoft Excel
- SQL
- SQL Server
- Python
- Azure
- Data bricks
- Power BI
- Keystone
- MS Project
- Slack
- ActiveH
- Office 365
- Infor Birst
- SSIS

- ETL
- Business Objects
- Cognos

## PROJECTS

### Health Disease Prediction - Personal Project - Birmingham, UK

Developed an advanced algorithm to detect and predict heart attacks, coronary artery disease, and other cardiovascular disorders, leveraging machine learning techniques; achieved an accuracy rate of 90% in identifying potential risks.

- Loaded Python's essential libraries such as Pandas, Scikit-Learn, etc.
- Conducted exploratory data analysis (EDA) on the data using the Pandas library.
- Built the different machine learning models such as k neighbors classifier, SVM, Random Forest, and Decision Tree using Scikit Learn.
- Observed that K-nearest neighbors perform the best on the dataset after experimenting with five machine learning models to predict heart disease.

### Hospital treatment package pricing - Client Project - Texas, USA

Developed a predictive model to calculate the cost of treatment based on the clinical systems available at the time of admission.

- Use the Hospital package pricing dataset and the model created to decide between package and standard pricing as well as formulate a plan that will accurately estimate the package price at the time of admission.
- Given the clinical circumstances at the time of entry, it also evaluates the cost of the treatment plan.
- The project handled variable data correlation, addressed NULL values, and performed feature engineering on critical variables.
- I also conducted statistical analysis to determine the impact of dependent factors on the target variable and developed the best possible multiple regression models to calculate the cost of treatment.

## WORK EXPERIENCE

**Company name** - Bromford Housing Ltd

**Job Title** - Property Data Analyst

**Company Website** – <https://bromford.co.uk>

**Work Duration** - July 2022 – Present

- Supported the implementation of new modules using algorithms within data systems ensuring they meet the business requirements using Azure, Keystone, Active H, Excel, SQL and Power BI.
- Maintained data integrity and selected appropriate testing approach including manual and automated testing which reduced time spent on analysis by over 50%.
- Provided useful data to support future investment decisions, i.e., property disposal, home investment and regeneration
- Coordinated data mapping, data manipulation, data cleaning and data migration exercises.
- Maintained and reported on company information system.

- Monitored data quality and managed any data reconciliation and cleansing activity.
- Designed and implemented report/dashboards for end users within the analytics platform
- Assisted in data governance as well as collecting feedback from acceptance testing.

**Company Name** - FC Connection Ltd

**Job Title** - Senior Analyst

**Company Website** – <https://fcconnection.uk>

**Work Duration** - Feb 2021 – June 2022

- Identified relevant data sources and analyzed them for client business needs using Excel, SQL
- Implemented analytical models into company systems using python and SQL
- Created ad-hoc reports for various stakeholders (internal and external).
- Automated systems administration duties including user permissions, upgrades, and IT support.
- Performed analysis and critical thinking required to troubleshoot data-related issues and assist in the resolution across various business systems.
- Identified KPIs within the business and ensured that they were measurable with achievable targets.
- Researched new software tool, data management and analytical techniques to ensure best practices.
- Analysing payroll information
- Communicated Security risk and issues to business manager which helped the customer base to increase by 46% within the first 3 months.

**Company name** - Motorsport Raceway Ltd

**Job Title** - Information Analyst

**Company Website** – <https://motorsportsraceway.com>

**Work Duration** - Sep 2016 - Jan 2021

- Designed strategies that enhanced business growth by over 62% within the first year.
- Identified new business opportunities and partnerships
- Designed processes and algorithms to enhance data quality, reliability, and Business intelligence reporting.
- Adhere to ad-hoc requests relating to datasets and analysis of data when required.
- Maintained and updated content management processes to meet company requirements.

## EDUCATION, CERTIFICATION & TRAINING

**School Attended** - Birmingham City University (UK)

**Course/ Qualification** - Enterprise systems management / MSc.

**Completion Date** - 2022

**Thesis** - Develop a framework to support the digital transformation of SMEs built and optimized for a pre-digital environment.

**School Website** - <https://www.bcu.ac.uk/>

**School Attended** - University of Texas at Austin (USA)

**Course/Qualification** - Data Science & Business Analytics / Dip.

**Completion Date** - 2020

**Thesis** - Predict the likelihood of loan default given available data of customers.

**School Website** - <https://utexas.edu/>

**School Attended** - University of Benin (NG)

**Course / Qualification** - Business Administration / MBA

**Completion Date** - 2016

**Thesis** – Drivers and inhibitors of eCommerce adoption by SMEs

**School Website** - <https://uniben.edu/>

## **REFERENCES**

Available on request