Maxwell Chimezie Acha

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Summary

Multidisciplinary, driven Data Analyst with a passion for condensing large data into a simple to understand story. Adept at working independently and collaborating with teams across multiple functions to take information from a wide variety of sources and effectively break down concepts in layman terms to diverse audiences. Excels at solving complex problems.

Technical Skills

Tools: Excel, Visual Basic, Python, Trend Forecasting, HTML, CSS, Bootstrap, JavaScript, Data Warehousing, Tableau, Data Mining, Data Modelling, Database Querying, Extraction Transformation and Load (ETL), Machine Learning, Big Data, Data Visualization, Statistics, Power BI. **Databases**: PostgreSQL, Mongo DB.

Projects

Analysing Crime Data in The West Midlands /
https://github.com/Garywtne/Group4_Project1_repo.git

- Summary: There is a weak positive correlation between Lower Layer Super Output Areas (LSOA), Index of Multiple Deprivation (IMD) and Crime Scores.

- My role in this project was to figure out if the crime data sourced from West Midlands database correlates with the Index of Multiple Deprivation.

- Tools used in this Project are as follows: Statistical Analytical Tool, Data cleansing Tool, Jupiter notebook, Python, Pandas, Matplotlib.

Investigating Air Quality in Birmingham and the rest of England/
https://github.com/JovanS27/PROJECT_3.git

- Summary: Northwest of England around is the highest hotspot for Asthma, Ozone(o3) correlates positively with Asthma prevalence and corelates negatively to other air pollutants.

- My role in this project was to test for the degree of association between Asthma Percentage and the rest of the air pollutants.

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- Tools used in this project are as follows: Python, Jupiter notebook, flask, HTML, CSS, JavaScript.

Pneumonia ML Model/ [mayooks/Predicting-Pneumonia-ML-Model: A convolutional-neural-](mayooks/Predicting-Pneumonia-ML-Model)
Predicting [network model that diagnoses Pneumonia from chest X-ray images (github.com)](github.com)

- Summary: The Model was able to predict that the 87% accuracy that a patient can either be pneumonia or not which is quite good model though not a perfect one.

- My role was to develop an app for the model with threshold >= 0.90 indicating that the patient has pneumonia while threshold with < 0.90 indicates that the patient is not a pneumonia patient with backend programming language.

- Tools: Python. Jupyter notebook, Machine learning, Tableau, HTML, CSS, JavaScript.

Experience

Poll Clerk   2023

Coventry City Council   Coventry, West Midlands.

- Assisting with the layout of the polling station and prepared for the opening of the poll.
- Checking that the electors are eligible to vote in the elections and at the polling station where I worked.
- Checking elector's photographic id were verified and were marked present at the polling station.
- Checking and marking elector's numbers in the register of electors.
- Recording a tally on the voter identification evaluation form note sheet.
- Ensuring that voters cast their votes independently and in secret.
- Always Maintaining the secrecy of the ballot.
- Answering voter's questions where appropriate in a friendly and professional way.
- Issuing of ballot papers to voters, ensuring that the bear official mark.
- Assisting Presiding officer to complete necessary procedures after close of poll.

Data Analyst   2022-Till Date

Freelance   Birmingham, West Midlands.

- Interpret data, analyse results using statistical technique and provide ongoing report.
- Develop and implement databases, data collection systems, data analytics and other strategies that optimise statistical efficiency and quality.
- Acquire data from primary and secondary sources and maintain databases/systems.

- Identify, analyse, and interpret trends and patterns in complex datasets.
- Filtering and cleaning data by reviewing computer reports, printouts, and performance indicators to locate and correct code problems.
- Worked with managements to prioritise business and information needs.
- Helped in locating and defining new process improvement opportunities.
- Created dashboards with tableau and Power BI to display KPI 20+ related projects to distinctive areas of interest within departmental operations.

Administrator Assistant   2022—2022
Tipson Health Care Limited   Coventry, West Midlands
- Creating and maintaining spreadsheets using Excel to prepare payrolls for staff.
- Answered incoming phone calls and sorted, distributed, and sent mail correspondence.
- Collating client feedback, delivering information to management for corrective action.
- Provided elevated level of administrative support, including copying, faxing and document distribution.

Purchasing Manager   2016—2019
Kaztec Oil and Gas   Ikeja, Lagos
- Managed purchases, receipts and the documentation of finished goods, materials, packaging, and ingredients.
- Located and vetted vendors established good relationships and negotiated contracts.
- Led initiative for new purchasing protocol proposal and implementation which facilitated monitoring and improved budget allocation of crude oil requests.

Education

- Certificate, Data Analytics - University of Birmingham, West Midlands.
- Certificate of Higher Education, Project Management - Project Management., Professional Institute (PMPI), Akwa Ibom State.
- Bachelor of Science, Applied Statistics - Enugu State University of Science and Technology, Enugu State.

- Diploma of Higher Education, Mathematics and Statistics - Abia State Polytechnic, Abia State.