VERONICA EYO

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A result-oriented Data Scientist who has over five (5) years' experience in data and text pre-processing, analysing, and reporting, descriptive and predictive analysis, machine learning and deep learning algorithms, model building and validating, project management, business analysis, applied statistics and optimization

Has over four (4) years' experience in Data Analysis during her 8 years of managing and executing Electrical Engineering design projects in EPC, DED and FEED for Indigenous and Multinational Oil and Gas Companies.

Also has two (2) years' experience in Systems Engineering, Network management, IT System Development, Implementation and Support.

Technical Skills and Operational Strengths

Technical Proficiency: Python, R, SQL, PySpark, MATLAB 9.0, SolidWorks, AutoCAD & Smart Plant Instrumentation (INtools)

Key Skills: Data Analytics, Data Science, Application Support, Machine Learning, Deep Learning, Text Mining, Natural Language Processing, Computer Vision, Data Visualization, Large language models, Gradio, DALLE, Chatgpt

Developmental Tools: Tableau, Microsoft Azure, Apache Superset, AWS:Sagemaker. Cloudwatch, S3, Snowflake, Looker, Google Analytics, Microsoft Power BI, DB2, MySQL, PostgreSQL, SQL server, MS. PowerPoint. MS. Excel, MS Office,

Timely project delivery Strong analytical and problem-solving skills, Mentorship & Training, Data Analysis / Visualization, Supervision Hardware / Software Tools, Strategic Planning Network Management, IT System Development, Implementation, Support, Maintenance, Upgrades.

PROFESSIONAL SUMMARY

- Experienced with machine learning frameworks/libraries and big data tools.
- Experience supporting DALL·E, Gradio, and the ChatGPT Data tool to create chat bots.
- Skilled in Data Science, Predictive Modeling, Text mining, Data Mining, Data Visualization, Machine Learning, and Deep Learning.
- Proficient in MS Power BI, Tableau, Google Analytics and Apache Superset for creating dashboards and storytelling.
- Expertise in data migration, cleansing, transformation, integration, import/export, and reporting.
- Experienced in text preprocessing, sentiment analysis, clustering, vectorization, summarization, and topic modelling.
- Strong focus on Python Statistical Analysis with ML techniques in challenging environments.
- Experienced in using Tableau and Apache Superset for creating dashboards and quality storytelling.
- Can provide wing-to-wing analytic support including data pulling, preparing, wrangling, transformation, interpretation, strategic recommendations, and presentation.
- Knowledgeable in SQL databases, including Sailfish, MySQL, SQL Server, and PostgreSQL.
- Familiarity with AWS and Microsoft Azure cloud services
- Skilled in Solidworks, Smart Plant Instrumentation, and AutoCAD.

PROFESSIONAL EXPERIENCE

Data Science Instructor: Bloom Institute of Technology, Sep 2022-Date

- Taught Data science students on Zoom via live code-along, explained all Data Science complex concepts simply, using real-life examples, exercises, and storytelling.
- Provided one on one coaching sessions for students, reviewed students assignments and provided constructive feedback.
- Mentored learners and Provided learner support by encouraging struggling learners, and challenging those who are excelling.
- Provided curriculum feedback and learner progress to school authorities.

Data Scientist: Evolent Health- Feb 2022-Jan 2023

- Collaborated with technical managers to address customer data queries and concerns.
- Utilized Gradio for creation of interactive interfaces for the chat bot.
- Enhanced the chat bot's responses using DALLE models.
- Generated images from textual descriptions and created edits of an existing image based on a new text prompts using DALLE models and visualized the output using Gradio.
- Mentored and onboarded interns and new team members on problem-solving, company policies, and effective tool utilization.
- Conducted Exploratory Data Analysis, Data Wrangling, and Data Transformation using MS Power BI from MySQL and PostgreSQL sources, as well as SAS databases for the Client Churn Analysis Project.
- Automated the extraction of contract text and signature detection from PDF files for clients using libraries like Tabula, YoloE, and Tesseract.
- Analyzed data from primary or secondary sources like AWS S3 buckets using PySpark, Python, and R to provide insights and trends to management.
- Developed, validated and implemented machine learning models on clinical datasets.
- Utilized NLP Libraries like Spacy, NLTK, BERTopic and Text preprocessing, Sentiment analysis, Text

clustering, Text Vectorization, Text summarization and Topic Modelling and Word summarizing Techniques in developing Topic models to provide insights into company member reviews.
- Generated weekly reports and real time dashboards using MS Power BI, Apache Superset and Tableau
- Utilized cloud base services like AWS Sage maker, Microsoft Azure for repo generation and deployment.
- Conducted research to upgrade existing solutions, staying current with emerging technologies and industry trends, and proactively applied new opportunities to business problems.

Select Highlights:
- Implemented an automated contract text extraction and signature detection system from PDF files for clients using advanced libraries such as Tabula, YoloE, and Tesseract. This streamlined the process and eliminated the need for hiring additional staff to manually perform the task, resulting in a cost savings of 1.2 million dollars for the company in 2022.

Data Scientist Consultant: InnovatiCs- Jan 2021-Dec 2021
- Collaborated closely with contractors and business users to gathering project requirements and generate report.
- Performed data analysis, data wrangling, data transformation & data visualization using MS Power BI.
- Instructed and Mentored Students on data science related issues in the company.
- Proficient in the entire CRISP-DM life cycle and actively involved in all the phases of project life cycle including data acquisition, data cleaning, data visualizations, data analysis and data engineering.
- Built analytics models on large-scale datasets to address various business use cases by applying advanced statistical modeling, machine learning, or deep learning techniques.
- Developed Ad-hoc Reports, Standard, Dashboards, Scorecards, and other Reports for different projects using MS Power BI, Apache Superset and Tableau
- Combined the knowledge of Mathematics, Statistics, Engineering and Physics to predict outcomes in several projects such as Customer review Analysis Project, Member churn Project, Patient readmission Project, A/B testing, Text analysis, Patient Survival analysis, AAA Northeast member prediction, Auto Insurance fraud investigation, Red Cross donation prediction, Supply chain prediction analysis for various Clients.
- Solid understanding of data structures, data modeling, probability, statistics.
- Developed, visualized, trained, deployed, and monitored various machine learning models with extensive knowledge of evaluation metrics and best practices.
- Has experience in supporting and working with cross-functional teams in a dynamic environment.
- Ability to thrive and demonstrate constant applied learning in a highly complex, interdisciplinary, and dynamic work environment.
- Willingness to participate in all levels of project work when necessary.
- Excellent written and verbal communication skills.
- A passion for bringing AI to production.

Select Highlights:
- Successfully developed and implemented a data science predictive model for a fully insured group population, that resulted in a net savings of 4.2 million dollars for the company in 2020. In addition, the model prevented 148 patient readmissions.
- In 2021, the model continued to perform well, preventing 141 readmissions, and achieving a net savings of 3.8 million dollars

DUOS TECHNOLOGIES INC · Apr 2020-Apr 2021
Electrical Engineer
- Designed Electrical, Instrumentation and Control Schematics, Instrument Location Drawings, Instrument/ Electrical Installation details.
- Lead other Engineers in developing and assembling Scopes, Engineering sketches, Drawings and Specifications into a complete Package.
- Developed new Test Procedures and performed Electrical testing of systems to be deployed on the field to make sure that it functions properly and meets client's needs.
- Prepared Cable Schedules for customer Standards in accordance with NEC.
- Performed Electrical field inspections after construction to review compliance with contract documents.
- Interfaced with Vendors to assess new Products and Specifications for use in new Package designs.
- Implementation of communication systems such as Ethernet based Local Area Networks.

Select Highlights:
- Designed and deployed the Oblique VUE for undercarriage inspection of Trains. (The first of its kind)
- Successfully developed and designed additional new perspectives that have been retrofitted into the existing systems design and deployed on the field, based on Customer specifications.

Data Analyst: NIGERIAN NATIONAL PETROLEUM CORPORATION SUBSIDIARY, NETCO (NNPC-NETCO) · Jan 2017- June 2019
- Developed and maintained statistical models to forecast production and demand trends.
- Engaged with business and technical experts at all organizational levels, to identify key opportunities for application of data science analytics to support business decisions and workflow improvement.
- Collaborated with field and product engineers to identify key health monitoring parameters of a system.
- Identified and collected relevant data sources to feed into analytics models, including sensor data, production data, and environmental data.
- Analyzed these data from primary or secondary data sources to provide insights and trends to stakeholders using MS Power BI & Tableau.
- Worked closely with technical managers and clients in the oil & gas industry to resolve customer data questions.
- Developed Ad-hoc, Standard, Dashboards, Scorecards, and other Reports using Tableau.
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Select Highlights:
- Utilized historical data analysis to detect failing instrumentation in offshore platforms from a particular manufacturer, resulting in a cost savings of 3.3 million dollars for the company in 2018.

Instrumentation and Controls Engineer: NIGERIAN NATIONAL PETROLEUM CORPORATION SUBSIDIARY, NETCO (NNPC-NETCO) - Aug 2012- Dec 2019
- Ensured Timely delivery of projects.
- Oversee the development of Instrument and Control deliverables such as Instrument Control Loops, Datasheets, Instrument Installation Details, Junction box Termination Diagrams, Cable block Diagrams, Instrument & Process Hook up Diagrams, Instrument Layout Diagrams, Overall Control System Block Diagrams, Instrument Material Take off, Instrument Requisition, Index, I/O List.
- Ensured proficiency in Relief Valve, Control Valve and Restriction Orifice sizing amongst the team.
- Ensured proficiency in the use of Smart Plant Instrumentation (INtools) & AutoCAD.
- Facilitated seamless collaboration with other engineering disciplines such as Process, Piping, Mechanical, Electrical, and Civil Engineering.

Select Highlights:
- Successfully completed assigned tasks effectively, surpassing time frame objectives while maintaining superior levels of performance.
- Achieved top client satisfaction through analysis of client's corporate culture, ensuring effective identification / addressing of client needs.

Career Note: From 2009 to 2011 focused on the successful completion of Master of Electrical and Computer Engineering Degree.

ALLIED COMPUTERS LIMITED, Abuja, Nigeria   Feb 2007- Jul 2009
Systems Engineer
- Served as a systems engineer for government organizations.
- Evaluated and installed software, hardware, and equipment into client networks.
- Facilitated troubleshooting and maintenance efforts for faulty computer and printer systems.
- Supervised and mentored engineering interns.
- Generated weekly performance evaluation reports for engineering team.
- Collaborated with leading IT equipment providers to resolve issues.
- Conduct cloning, maintenance, and troubleshooting of desktops, laptops, and printers for the Central
- Bank of Nigeria's Abuja branch.

Select Highlights:
- Orchestrated the complete upgrade of 500+ systems from Windows XP to Windows Vista within a one-week deadline and working with interns only. Achieved successful project delivery through strategic management of resources and full project lifecycles.
- Spearheaded the deployment of Point of Sale (POS) Terminals at various locations.

EDUCATION / AFFILIATIONS
Master of Science in Electrical and Computer Engineering, University of Florida, Gainesville, Florida
Bachelor of Engineering – Electrical and Computer Engineering, Federal University of Technology Minna, Niger State, Nigeria

CERTIFICATIONS
Google Data Analytics Professional, IBM certification for Python in Data Science, IBM certification for Databases & SQL for Data Science**.**

AFILLIATIONS
Institute of Electrical and Electronics Engineers (IEEE), National Society for Black Engineer - UF, Women in Electrical & Computer Engineering - UF, Society of Women Engineers (SWE) - UF