IBRAHIM DENIS FOFANAH (He/His)

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PROFILE

Aspiring Data Scientist | Data Analyst |Data Engineer | Business Intelligence Developer |Big Data Engineer | Data Visualization | MS in Data Science.

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems   New York, New York
Master of Science (MSc) in Data Science | **Concentration**: Data Science and Analytics | **GPA** 4.00   May 2026(Excepted)

Njala University, Sierra Leone   Mokonde, Freetown
Bachelor of Science (B.S.) in Business & Information Technology | **Honors:** First Class | **GPA:** 4.37   June 2022

RELEVANT COURSEWORK

Database programming | Statistics | Scalable Database | Data Visualization | Linear Algebra |Machine Learning| Data Mining | Big Data | Data Modelling | Entrepreneurship | Intro to Deep learning | Research Methodology

TECHNICAL SKILLS

Programming Languages: Python, VBA
Operating System: Windows, Mac OS
Database Management: SQL/MYSQL, PostgreSQL, SQL Server, NEO4J
Data Visualization Tools: MS Excel, Power BI, Tableau, Matplotlib**, Seaborn**
Certifications: Intro. to Machine Learning from LinkedIn and Kaggle, Simplilearn Introduction to Data Analytics, Diploma in Human Resource Management from Alison

ACADEMIC PROJECTS

Data Science Researcher (Explorer Transportation Data Science Project)   Sept. 2024 – Present
Northeast Big Data Innovation Hub

- Conducted a research project aimed at analyzing New York City crash data to improve road safety strategies.
  Focused on data analysis and visualization, using tools like Python, Pandas, Seaborn, and Prophet.
  Applied time-series forecasting to predict future crash trends in high-risk areas, providing data-driven insights for urban safety planning.
- Gaining hands-on experience in analysing traffic accident data, focusing on identifying patterns and accident hotspot to improve road safety
- Learning and applying geospatial modeling techniques using python and GIS tools to visual accident prone areas.
- Implementing basic machine learning models to forecast potential accident occurrences, enchansing my knowledge of predictive analytics
- Building interactive dashboards to present accidents data visually, improving my skills in data visualization and storytelling.

Optimizing Spider Thread Grocery Store Operations   March 2024 – April 2024
- Led a team of 4 to evaluate and overhaul the inventory management system to reduce stockouts and overstocking.
- Implemented a new inventory tracking system to maintain optimal stock levels and track inventory movements robustly.
- Conducted analysis of inventory data to identify stock shortages and predict demand patterns.

Group Leader, Predictive Sales Forecasting Project   March 2024 – May 2024
Walmart
- Led a team to develop predictive models for accurate sales forecasting across Walmart stores.
- Analyzed weekly sales data to identify key drivers of sales performance and provide actionable insights.
- Implemented machine learning algorithms to predict sales and demand with precision, optimizing inventory management.
- Incorporated various factors, such as economic conditions and holiday events, to enhance forecasting accuracy.
- Collaborated with stakeholders to design and execute solutions for improving revenue generation.
- Evaluated model performance to select the most accurate and robust forecasting approach.
- Enhanced operational efficiency by reducing instances of overstocking and stockouts.

PROFESSIONAL EXPERIENCE

DISTECH Digital Services   Freetown, Sierra Leone
Data Analyst   January 2021 – January 2024
1. Managed the collection and validation of data at various stages of the election process, ensuring accuracy and completeness.
2. Conducted thorough data cleaning and preparation, identifying, and rectifying any inconsistencies, errors, or missing values within the data.
3. Employed advanced data analytics techniques to conduct a comprehensive analysis of the data obtained from the Result Reconciliation Forms (RRF).
4. Created data visualizations and reports that allowed stakeholders to grasp the key findings easily and facilitated a transparent and accessible presentation of the election results.

LEADERSHIP

Njala University Association of I.T Students, President   October 2021 – 2022

1. Executed and led the Innovation Forum, a public event that fostered creativity and innovation within the student community.
2. Provided a platform for over 500 students to present innovative ideas and projects, encouraging a culture of forward-thinking.

ACTIVITIES / VOLUNTEER WORK / ADDITIONAL TRAINING / DATATHONS

Data Science Club, Innovation Officer   September 2019 – January 2021
- Participated in various data science events, workshops, and competitions, enhancing skills and knowledge in data analysis data visualization.
- Networked with other data science enthusiasts and professionals, exchanging ideas and insight.

LANGUAGES

English

INTERESTS

Coding, Reading, Content creation and travelling.