AKEEM BELLO

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SKILLS

Programming Languages: Python, R, SQL, Java, C++, JavaScript, TypeScript, Ruby on Rails, Bash, NoSQL, C, HTML, CSS
Frameworks & Libraries: TensorFlow, Pandas, NumPy, Matplotlib, Scikit-learn, Django, NodeJS, React.js, Next.js
Data Tools & Platforms: BigQuery, Teradata, SAS, MicroStrategy, Tableau, Excel, Access, MySQL, SQL Server, ETL Processes
Cloud & DevOps: Amazon Web Services(AWS), Google Cloud Platform (GCP), Kubernetes, Docker,GitLab CI/CD, Jenkins
Core Competencies: Analytical Thinking, Problem Solving,Collaboration, Time Management, Project Management, Innovative

EXPERIENCE

Bell Canada   May 2023 – Aug 2024
AI and Data Engineer | Python, Google Cloud Platform (GCP), BigQuery, MicroStrategy, SQL   *Toronto, ON*
- Strategically integrated machine learning models into real-time data processing pipelines, enhancing prediction accuracy by **20%** and driving improved decision-making across **5** key business layers.
- Architected and implemented a scalable star schema data structure, accelerating query response times by **30%** and accommodating a **50%** increase in data metrics over the project duration.
- Spearheaded the development of a real-time AI usage visualization dashboard in MicroStrategy, designing and implementing data pipelines from **GCP** to **MicroStrategy**, resulting in a **30%** increase in decision-making speed and delivering actionable insights to over **200** stakeholders.

Geomatics Department - University of Guelph   Sep 2021 – Jul 2022
GIS and Data Analyst | SQL, Tableau, Excel, Python, ArcGIS   *Guelph, ON*
- Engineered complex **SQL** queries and advanced data manipulation techniques, significantly boosting database performance and reducing query execution time by **40%**.
- Spearheaded the development of interactive **Tableau** dashboards and in-depth **Excel** analytics, enhancing data-driven decision-making for environmental projects and increasing project efficiency by **15%**.
- Devised statistical modeling approaches using **Python** for trend forecasting, delivering actionable insights that mitigated risk and aligned strategic planning with current environmental demands, positively impacting **3** major projects.

Brewers Supply Group Canada   Jul 2020 – Aug 2022
Production Engineer | Microsoft Dynamics AX, Industrial Solutions, Excel, SAP   *Guelph, ON*
- Pioneered quality assurance initiatives in production processes, implementing industrial solutions that reduced defects by **25%** and substantially improved overall product quality.
- Led a cross-functional team to drive a **40%** increase in production during the Covid-19 pandemic, effectively addressing supply chain disruptions and ensuring continuous operation.
- Optimized inventory management through the implementation of **Microsoft Dynamics AX**, enhancing inventory tracking accuracy by **30%** and minimizing stock discrepancies.

EDUCATION

Wilfrid Laurier University
Bachelor of Science in Computer Science   *Waterloo, ON*
- **Relevant Coursework:** Data Structures and Algorithms (C), Prob & Stat in CS (Python), Machine Learning, Artificial Intelligence (Python), Databases (SQL), Networking, Programming for Big Data (SQL)

The Complete Data Science Bootcamp   May 2024
Udemy   *Online*
- Comprehensive program covering Python, Machine Learning, Data Analysis, and Visualization with hands-on projects and real-world data.
- Developed proficiency in using Python libraries such as Pandas, NumPy, Matplotlib, and Scikit-learn.

PROJECTS

Real-Time AI Tool Usage Visualization | *Python, Google Cloud Platform (GCP), BigQuery, Dataflow, MicroStrategy, SQL*
- Led the development of a real-time visualization dashboard for company-wide AI tool usage, resulting in a **30%** increase in decision-making speed by providing instant insights to over **200** stakeholders.
- Engineered and optimized a data pipeline using **BigQuery** and **Dataflow**, reducing data processing latency by **40%** and enabling the real-time processing of over **1 million** data points per day.
- Ensured data security and compliance by implementing encryption and access controls, protecting sensitive information across the platform and achieving a **100%** compliance rate with company policies.

Comprehensive Azure-Based Data Pipeline for Olympic Data | *Azure Data Factory, Synapse Analytics, SQL*
- Developed a scalable data pipeline processing over **10GB** of Olympic data using **Azure Data Factory** and **Azure Databricks**, reducing data processing time by **45%** and improving data accuracy by **30%**.
- Leveraged **Synapse Analytics** and **SQL** to perform in-depth data analysis, uncovering key performance trends and delivering insightful reports on top Olympic athletes.

Predictive Modeling for EPL Match Outcomes Using Machine Learning | *Pandas, Scikit-learn, Random Forest*
- Built a predictive model using **Random Forest** and **Logistic Regression** to analyze EPL match outcomes, achieving a precision score of **67.5%** and identifying key predictors such as venue and rolling averages.
- Enhanced model accuracy by **20%** through advanced feature engineering, including the creation of new variables and iterative refinement of the prediction algorithm.