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, Dataflow, MicroStrategy, SQL   *Toronto, ON*
- Developed and integrated machine learning models into real-time data pipelines, improving prediction accuracy by **20%**, and implemented in production to support **5** key business operations.
- Designed and implemented a scalable star schema data structure, optimizing SQL query performance by **30%** and enabling the system to handle a **50%** growth in data metrics.
- Built a real-time AI tool usage dashboard in MicroStrategy, architecting data pipelines using **GCP** and **BigQuery** to streamline data flows, resulting in a **30%** faster decision-making process for over **200** stakeholders.

Geomatics Department - University of Guelph   Sep 2021 – Jul 2022
GIS Software and Data Specialist | ASP.NET, Java, Python, Excel, Tableau   *Guelph, ON*
- Collaborated with the team to build a web-based statistical modeling tool using **ASP.NET**, improving user interaction with predictive models and enhancing workflow automation for environmental project insights.
- Developed a **Java**-based interface for statistical models, streamlining trend forecasting processes, allowing users to interact with large datasets for real-time analysis.
- Built predictive models for environmental trend forecasting, utilizing **Python** for data analysis and delivering insights that drove strategic decisions in **3** major projects.

Brewers Supply Group Canada   Jul 2020 – Aug 2022
Production Engineering Student | Python, Microsoft Dynamics AX, Industrial solutions   *Guelph, ON*
- Developed automated quality assurance scripts in **Python** to detect defects, reducing errors in production processes by **25%** and improving overall product quality.
- Led software-based process improvements that increased production output by **40%**, ensuring continuous operations during the Covid-19 pandemic through enhanced system monitoring and automation.
- Enhanced inventory management by integrating **Microsoft Dynamics AX** with custom scripts, increasing accuracy by **30%** and reducing 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 2024 Web Development Bootcamp   May 2024
Udemy   *Online*
- Gained full-stack web development skills by building over 15 real-world projects, covering front-end (HTML, CSS, JavaScript) and back-end (Node.js, MongoDB, SQL) technologies.
- Learned to implement RESTful APIs, manage databases, and deploy applications at a very fast pace.

PROJECTS

Full Stack E-commerce Platform (Server-Side Rendering, Responsive Design) | *Next.js, Tailwind.css, Prism, Node.js, Git*
- Built a responsive e-commerce platform using **Next.js** for server-side rendering, reducing page load times by **25%**, enhancing user experience.
- Styled the platform with **Tailwind.css**, optimizing for mobile and desktop, achieving **100% responsiveness** across 15+ devices and browsers.
- Integrated **Prism** for syntax highlighting, ensuring seamless display of **500+ code snippets**, leveraging **Node.js** for scalable backend services.

AI Chat Application with GPT-3 (Natural Learning Processing, Back-end Development) | *React, Node.js, OpenAI API, Express*
- Developed a full-stack AI-powered chat application using **OpenAI's GPT-3 API**, enabling real-time interactions with sophisticated language models.
- Implemented the backend using **Node.js** and **Express**, integrating with the OpenAI API for seamless communication and response generation.
- Utilized **React.js** for a responsive front-end UI, ensuring a smooth and dynamic user experience, while deploying the app on **Vercel** for scalable performance.

Connect Four Game (Object-Oriented Programming, UI Design) | *Java, Git, Gradle, JUnit, Ubuntu, JavaFx*
- Engineered a **Java**-based Connect Four game, applying **object-oriented principles** (encapsulation, inheritance) to manage **100+ game instances** efficiently.
- Wrote **50+ unit tests** using **JUnit** to ensure code reliability and consistency, achieving **95% code coverage**.
- Utilized **Gradle** and **Git** for continuous integration, streamlining development and reducing deployment time by **20%**.