ISAAC SAMUEL

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EXPERIENCE

Data Engineer   September 2021 – September 2022

Suncor Energy

- Implemented ETL processes with Microsoft SQL Server for database management, optimizing data integration and retrieval to facilitate real-time adjustments and strategic planning.
- Migrated critical reports from legacy systems to Power BI and automated manual processes, leading to a 30% increase in reporting efficiency and saving 100 hours monthly.
- Conducted SQL Server and query training, code reviews, and pair programming sessions to improve code quality and team skills.
- Enhanced data integrity by continuously monitoring and resolving issues in live mining data reports, cross-referencing GPS data, and optimizing ETL processes, resulting in improved safety, cost efficiency, and productivity.
- Developed a robust data archiving strategy to enable informed decision-making on mine planning, and resource allocation, and reduce downtime by 40% in data availability for root cause analyses.

Information Technology Technician   June 2021

Igloo Building Supplies Group Ltd.

- Installed software and configured operating system software in preparation for testing.
- Executed and documented results of software application and system tests.
- Maintained accurate inventory of hardware components.

EDUCATION

University of Alberta | Bachelor of Science in Computer Science, Minor in Business   September 2020 - April 2024

PROJECTS

Code Connect

github.com/OgSamu/CodeConnect

- Developed a code analysis tool using Python, Django, SQLite3, and React to help developers efficiently navigate and understand codebases by providing insights into project structure, quality, and complexity, ultimately enhancing code maintainability, and accelerating the onboarding process for projects.

Social Networking

github.com/OgSamu/Social-Networking-App

- Developed a distributed social networking platform using Python, Django, Python, and React to allow users to create posts, follow others, and share content across multiple servers, facilitating a peer-to-peer community.

Prediction of Edmonton Property Values Using Machine Learning

github.com/OgSamu/Edmonton-Property-Valuation

- Developed a machine learning model to predict Edmonton house prices, leveraging statistical methods and accounting for price inflation.

Stride

github.com/OgSamu/stride

- Created a mobile app using React Native, Expo, Google Maps API, and Map-box to allow users to track running metrics in real-time, visualize progress, discover new running routes, and set goals.

Property Insights

github.com/OgSamu/property-insights

- Created a real estate investment analysis tool using Flask and JavaScript to facilitate the evaluation of potential investment properties. The application provides users with a breakdown of cash flows, operating expenses, and profitability projections over various holding periods.

SKILLS

Programming Technologies: Python | JavaScript | Java | C | C# | HTML | CSS| MATLAB | Flask | SQL | Django
Machine Learning: R | Python Modules: Scikit-learn, TensorFlow, PyTorch, NumPy, SciPy, and Pandas