Yahya Darman

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SKILLS

- **Programming Languages:** Python, R, SQL, JavaScript
- **Data Analytics & Data Visualization:** Mode Analytics, Microsoft Power BI, Excel (advanced), Matplotlib, Seaborn, Plotly
- **Database Management:** SQL, Amazon Redshift
- **DevOps & Version Control:** AWS, Azure, Git, Bash, PowerShell
- **Development & Scripting:** Jupyter Notebooks, RESTful APIs
- **Machine Learning & AI:** Scikit-learn, TensorFlow, Keras

WORK EXPERIENCE

Appen — *Toronto, ON*
Data Scientist — *Sept. 2023 – Jan. 2024*

- **Boosted platform integrity by 25%** with the creation of an algorithm to detect and prevent fraudulent user activity, contributing to an efficient and honorable platform environment.
- **Analyzed data needs across three cross-functional teams,** tailoring more than 10 in-house metrics, improving data-driven decision-making and efficiency.
- **Utilized Amazon Redshift and Mode Analytics** to transform 250,000+ rows of user data, streamlining ETL processes and enhancing data accuracy and availability.
- Refined **AI models** such as **SVM and XGBoos**t, leading to a 15% boost in model performance and a 10% reduction in bias errors, ultimately improving the accuracy and reliability of predictions, and driving better business outcomes.
- Applied statistical techniques such as hypothesis testing and regression analysis to interpret data and identify significant patterns.
- Conducted comprehensive data analysis to support business decision-making processes using **SQL, Excel, and Python.**
- Utilized SQL and **Amazon Redshift** for data extraction, transformation, and loading **(ETL) processes.**
- Cleaned and transformed **large datasets** to ensure accuracy and readiness for analysis.
- Created insightful and actionable dashboards using **Power BI**, enabling stakeholders to easily understand complex data trends.
- Collaborated with **cross-functional teams,** including engineering, finance, and operations, trust and safety to understand data needs and provide tailored analytical solutions.
- Developed and maintained data visualizations using **Python and Mode Analytics.**
- Identified and corrected misclassifications of fraudulent users, **boosting crowd work efficiency by 20%** and e**nhancing crowd worker experience by 10%** in collaboration with the trust and safety team.
- Developed and maintained comprehensive data **documentation** and standard operating procedures.

Platform Engineer Intern — *May 2023 – Sept. 2023*

- **Empowered stakeholders with clear insights into complex data trends** through the creation of Power BI dashboards, resulting in 50% faster identification and resolution of potential issues, improving platform reliability and user experience.
- **Implemented a chatbot with Javascript and Kore.ai Service** to automate Zendesk tickets, resulting in a 100% reduction in resolution time and a 50% increase in customer satisfaction, enhancing support services for Appen's crowd users.
- **Collaborated closely with platform engineers** to develop and implement data-driven solutions for enhancing platform performance, scalability, and reliability.
- **Designed and implemented predictive models** to forecast system failures, anticipate resource demands, and improve overall platform efficiency.
- **Contributed to the development of monitoring and alerting systems** to proactively identify and mitigate potential issues, ensuring high availability and reliability of platform services.

EDUCATION

Bachelor of Science in Applied Mathematics
York University
Graduated: September 2022

CERTIFICATION

- AZ-900 Microsoft Azure Cloud Practitioner
- DP-900 Microsoft Azure Data Fundamentals
- IBM Cybersecurity Analyst Professional Certificate