As a Data Scientist at Mintek, I participate in developing, testing, and deploying machine learning models to optimise organisational operations and enhance decision-making, including fine-tuning algorithms for improved performance. I perform A/B testing on machine learning models to compare algorithm performance and feature variations, achieving a 20% improvement in model selection.

Additionally, I design and maintain organisational Key Performance Indicators (KPIs) dashboards to support real-time tracking and performance monitoring. I also execute ETL processes to mine, clean, and integrate data from multiple sources such as SharePoint, databases, and Excel into dashboards for streamlined reporting and analysis. I leverage SQL to extract, transform, and analyse datasets with thousands of records, optimising query performance, reducing processing time, and ensuring 99% data accuracy in reports. Lastly, I collaborate with cross-functional teams to deliver data-driven recommendations, resulting in a 20% increase in overall operational performance.

**DUTIES IN PAST TENSE**

* Participated in developing, testing, and deploying machine learning models to optimise organisational operations and enhance decision-making, including fine-tuning algorithms for improved performance.
* Performed A/B testing on machine learning models to compare algorithm performance and feature variations, resulting in 20% improvement in model selection.
* Designed and maintained organisational Key Performance Indicators (KPIs) dashboards to support real-time tracking and performance monitoring, reducing manual reporting time by 40% .
* Executed ETL processes to mine, clean, and integrate data from multiple sources such as SharePoint, Databases, and Excel into dashboards for streamlined reporting and analysis.
* Leveraged SQL to extract, transform, and analyse datasets with thousands of records, optimising query performance, reducing processing time, and ensuring 99% data accuracy in reports.
* Translated complex data into impactful business insights, contributing to a 15% improvement in operational efficiency and enhanced strategic planning outcomes.
* Collaborated with cross-functional teams to deliver data-driven recommendations, resulting in a 20% increase in overall operational performance. Is this in past or present tense?

**For NEXT TIME**

* Core Programming: High proficiency in Python (including libraries like pandas, NumPy, scikit-learn) and/or SAS, paired with strong SQL skills for data extraction and manipulation.
* **Statistical Foundation:** A deep understanding of statistical concepts, experimental design, and modelling techniques.
* Machine Learning: Hands-on experience developing and deploying machine learning models using libraries such as scikit-learn, TensorFlow, or PyTorch.
* Communication: Exceptional ability to articulate complex technical concepts and findings clearly and concisely to diverse audiences.
* Problem-Solving: Strong critical-thinking and analytical skills with a proven ability to solve ambiguous problems with data.
* Data Visualisation: Demonstrable experience creating insightful dashboards and reports in tools like Power BI, Tableau, or SAS Visual Analytics.
* Big Data Technologies: Familiarity with distributed computing frameworks like Apache Spark or Hadoop.
* Cloud Platforms: Experience working with data services on cloud platforms such as AWS, Azure, or GCP.