As a Data Scientist at Mintek, I 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.

Additionally, designed and maintained organisational Key Performance Indicators (KPIs) dashboards to support real-time tracking and performance monitoring. Also, performed 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, and lastly, I collaborated with cross-functional teams to deliver data-driven recommendations, resulting in a 20% increase in overall operational performance.