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. Applied statistical analysis, hypothesis testing, and data visualisation techniques to identify trends, detect anomalies, and guide strategic decision-making. Performed data analysis and delivered business intelligence support for HR and Finance, developing key reports that improved workforce planning and financial performance monitoring.

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.