● Collaborated with a diverse team across multiple locations to analyze process variations, identify key performance indicators (KPIs), and leverage analytics tools, resulting in a 10% increase in cost savings.

● Applied decision optimization techniques to analyze ship routes, minimizing costs and propulsion time. Through data-driven insights, achieved an 8% reduction in operational costs.

● Implemented Agile-based data monitoring processes, resulting in a 20% reduction in project timeline and cost savings of $50,000 for the successful implementation of an Exhaust Gas Cleaning System on a ship.

● Amplified ship inventory management by 20% with demand forecasting model via time series method, yielding $1.5M annually.

● Utilized advanced Excel functions and macros to analyze process variations, identify KPIs, and generate impactful reports, leading to a 10% increase in cost savings.

● Utilized Python and SQL to query and analyze data from ships, performing complex joins and manipulating large datasets to extract meaningful insights, which led to savings of $1M /Year.

● Collaborated with the data analytics team to evaluate datasets for quality and accuracy by identifying discrepancies and implementing effective data cleansing techniques.

● Presented findings to a panel of industry professionals, effectively conveying complex information in a visually appealing manner.

● Implemented a real-time emissions data monitoring dashboard, reducing the company's carbon footprint by 3%.

● Assisted in the creation and deployment of alerts to monitor program streams and ensure smooth operations.

● Managed large datasets of sensory data for marine engines and used advanced SQL queries to identify trends and anomalies, creating a PMS for critical machinery that reduced breakdowns by 45% ($350K)

● Utilized Python and SQL to query and analyze data from ships, performing complex joins and manipulating large datasets to extract meaningful insights, which led to savings of $1M /Year.

● Analysed indicator diagrams of MAN B&W 6G60ME-C9 Main Engine to optimize combustion efficiency and engine performance, resulted in10% fuel consumption savings and improved operational reliability.

● Utilized Statistical techniques to optimize Ship’s inventory management and performed break-even analysis for spare parts, achieving a 10% budget reduction and enhanced operational efficiency.

● Collaborated with engineering teams to optimize Main Engine economizer water washing procedures, achieving a 25% reduction in emissions and compliance with MARPOL environmental regulations

* Optimized inventory data using SQL, Excel, and Power BI. Collaborated with teams, reducing processing time by 55% and delivering detailed insights via Power BI dashboards for a 15,000+ entry dataset.
* Led a robust data analysis pipeline for term deposit dynamics, achieving 85% feature variance explanation and handling class imbalance. Utilized advanced statistical techniques, classification models, Hypothesis testing, A/B testing, and regression analysis.
* Led robust term deposit data analysis, achieving 85% feature variance explanation, managing class imbalance, and utilizing statistical techniques, classification models, hypothesis, and A/B testing, along with regression analysis.
* Led CareConnect creation, transforming healthcare consultations and medication admin. Collaborated with stakeholders and teams, defined objectives, streamlined communication, and integrated ML for comprehensive services.
* Implemented collaborative filtering for personalized movie recommendations, optimizing data preparation and utilizing matrix factorization for latent user-item relationships.
* Utilized open-source data and advanced analytics for actionable insights on Texas's socioeconomic landscape, presenting to stakeholders. Streamlined Alteryx workflow, enhancing scalability and contributing to an innovative, problem-solving project displayed on Tableau.
* Analysed Texas's socioeconomic data using advanced analytics, presenting actionable insights to stakeholders. Optimized Alteryx workflow for scalability and contributed to an innovative, problem-solving project showcased on Tableau.
* Contributed to optimizing legal document retrieval using RAG in LLM with Pinecone, enhancing indexing and alignment. Improved precision through domain-specific embeddings and post-tuning, leveraging Llama model re-ranking for advanced similarity calculations.
* Implemented standard ML workflow with Keras callbacks for efficient training: preprocessing, model building, and evaluation. Excited about the model's potential to enhance patient outcomes and streamline healthcare processes.
* Led AI project collaborating with domain teams to create an interviewee questionnaire database. Leveraged Generative AI, LLM, RAG, and Re-ranking for pertinent response extraction via prompt engineering.