**Education**

**Wichita State University 2022-2023**

*Master of Science in Business Analytics Wichita, KS*

* Courses: Machine Learning, Data Structures, Algorithms, Statistics, Database Management, and Artificial Intelligence.
* GPA: 3.90

**Experience**

**Wichita State University August 2022 – December 2023**

*Graduate Assistant Business Operations*  *Wichita, KS*

* Engineered a Machine Learning pipeline to detect fraudulent transactions using gradient boosting algorithms and anomaly detection techniques, resulting in a 40% reduction in false positives.
* Conducted exploratory data analysis on a 1TB dataset, providing insights that led to the optimization of marketing strategies.
* Led a team to develop and deploy a predictive maintenance system using TensorFlow and Keras, reducing downtime by 20% and saving over $500K annually.
* Automated data cleaning and preprocessing tasks using Pandas and NumPy, improving model training efficiency by 50%.

**Quizy January 2021 – December 2021**

*Machine Learning Engineer*  *Bangalore, India*

* Implemented an NLP-based customer sentiment analysis tool with a 95% accuracy rate, enhancing customer service responses and strategies.
* Streamlined data processing workflows with Spark in AWS cloud, achieving a 40% reduction in processing time for large datasets.
* Designed and implemented a recommendation system that increased user engagement by 25% through personalized content suggestions.
* Deployed scalable machine learning models in production environments using Docker and Kubernetes, ensuring high availability and fault tolerance.

**Euro Motors May 2020 – November 2020**

*Junior Machine Learning Engineer*  *Sitra, Bahrain*

* Employed advanced text preprocessing techniques, including tokenization, lemmatization, and vectorization.
* Collaborated with cross-functional teams to integrate ML models into production environments, resulting in a 15% increase in model deployment speed.

**Projects**

**Smart Traffic Management System:** Developed a model using computer vision and deep learning techniques to optimize traffic flow, resulting in a 20% decrease in peak hour congestion in simulated environments.

**Stock Price Prediction Using Time Series Analysis:** Developed a data pipeline for real-time data ingestion from financial markets, preprocessing, and feeding into the LSTM model for prediction

**Skills**

Python, R, SQL, Java, TensorFlow, PyTorch, Keras, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, SQL, NoSQL, Hadoop, Spark, Data Warehousing, AWS (S3, EC2, Lambda, RDS), Azure ML, GCP, Docker, Kubernetes, Jenkins, Git, Machine Learning Algorithms, Deep Learning, Natural Language Processing, Computer Vision, Model Optimization & Validation, A/B Testing