1.Natural Language Processing / Speech

The system is designed to integrate NLP (e.g., Bag of Words) on descriptive fields (like trim) to extract price-driving features. The Softbot interface acts as the front-end, designed for extension via Speech Recognition (input) and Speech Synthesis (output), making the solution truly cutting-edge and conversational.

2. Deep Learning

We implemented a Multi-Layer Perceptron (MLP) via Keras, which is an application of Deep Learning and ANNs. This model utilises sequential hidden layers to test if a complex architecture can surpass traditional ML accuracy by modelling highly non-linear price curves and reducing MSE loss.