* Which model did you choose, from which course, and why ?

I chose the **Random Forest regression model** seen and used several times in AI 1. And I chose to apply it to a dataset about car prices from Kaggle : <https://www.kaggle.com/datasets/asinow/car-price-dataset>

* What is the utility of the prototype?

I created the CarGuru Pro prototype to help car owners and buyers make smarter decisions when selling or buying cars. With this tool, you can easily predict car prices, explore market trends, and get tailored information that suits your needs. By adding features like interactive metrics and direct links to official brand websites, my goal was to provide a user-friendly, all-in-one platform for car enthusiasts and sellers to get valuable insights and stay informed.

* Main difficulties found?

The main challenges encountered during the prototype development included brainstorming content to display on the website after the model was created. The dataset was relatively small and lacked detailed information, limiting opportunities for extensive graphs or visualizations. Additionally, Streamlit's frontend design presented certain constraints, making it difficult to implement some of the desired visual enhancements. Despite these challenges, I focused on maximizing the available data and ensuring the site remained informative and user-friendly.