

This project will allow the student to implement the skills student learned throughout this program. Through dedicated mentoring sessions, the student will learn how to solve a real-world, industry-aligned Data Science problem, from data processing and model building to reporting your business results and insights. The project is the final step in the learning path and will enable the student to showcase her/his expertise in Data Science to future employers

The project milestones are as follows:

1. **Data Processing:** Student will apply various data processing techniques to make raw data meaningful.
2. **Model Building:** Student will leverage techniques such as regression and decision trees to build Machine Learning models that enable accurate and intelligent predictions. Student may explore Python to build model. Student will follow the complete model-building exercise from data splitting, to testing, training and validating data using the k-fold cross validation process.
3. **Model Fine-tuning :** Student will apply various techniques to improve the accuracy of model and select the champion model that provides the best accuracy.
4. **Dashboarding and Representing Results :** As the last step, student will be required to export results into a dashboard with meaningful insights using Tableau.