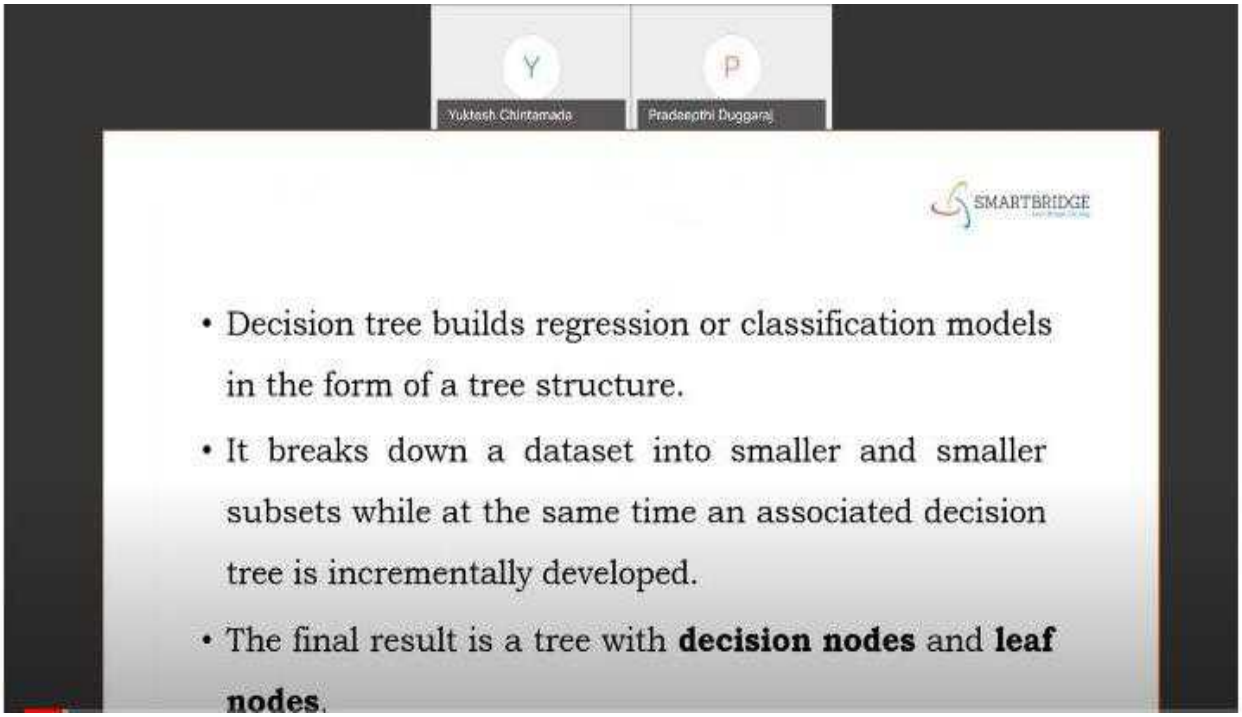
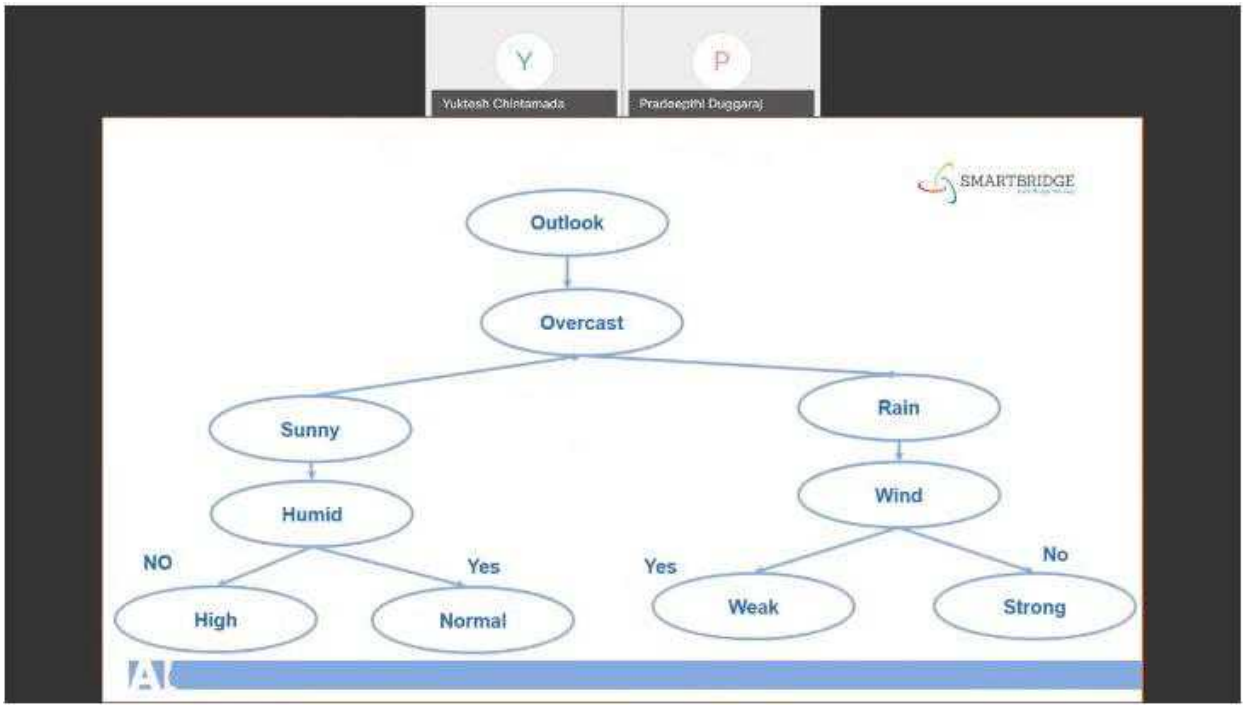
IBM Series 6 Workshop on "Machine Learning Using Python – Decision Tree and Random Forest Classification" on 1st Oct 2020

This workshop was conducted by IBM to enlighten the students on how to use python for Machine learning. This was the sixth session of the workshop from the series of a total number of six sessions of the workshop named "Machine Learning with Python". And this session was attended by students and faculties of various institutions across the country. The session started with explanation of Decision tree, a type of model used for both classification and regression. A random forest is simply a collection of decision trees whose results are aggregated into one final result. Their ability to limit over fitting without substantially increasing error due to bias is why they are such powerful models. One way Random Forests reduce variances by training on different samples of the data. Later the speaker gave idea about how to do projects in machine learning and sources to get projects. Finally the session concluded with question and answer session.

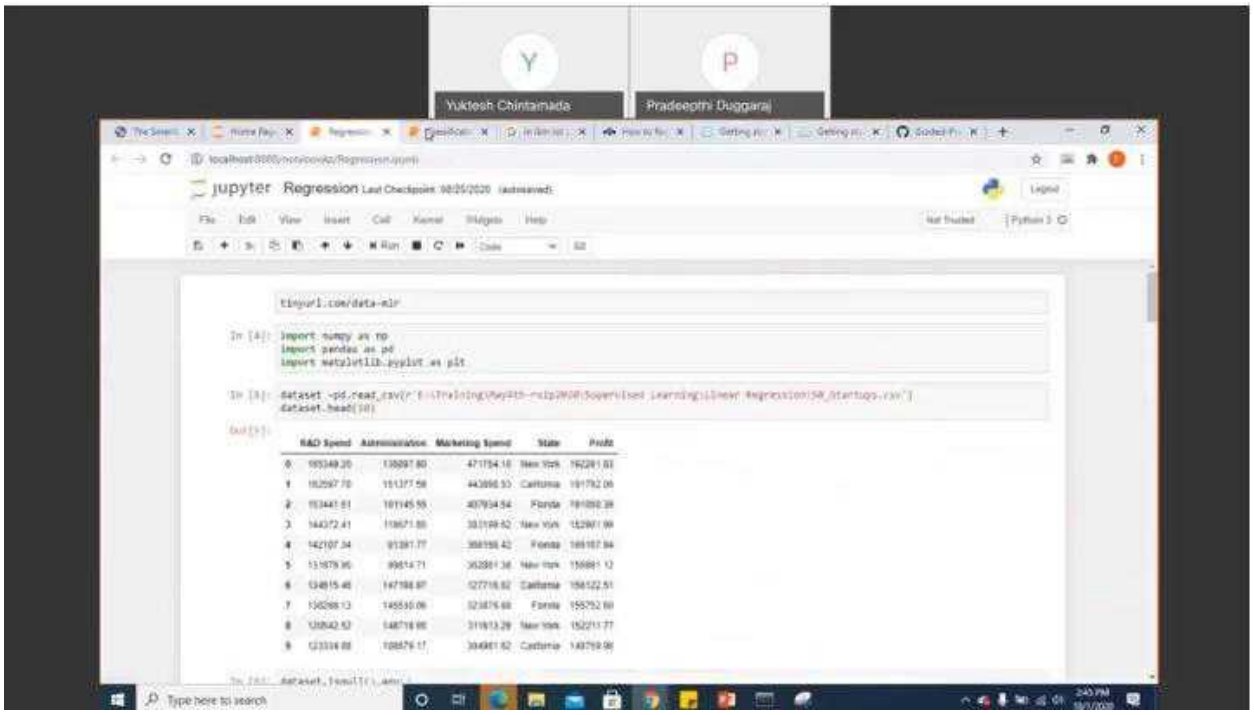


Pic1: Introduction to the topic decision tree

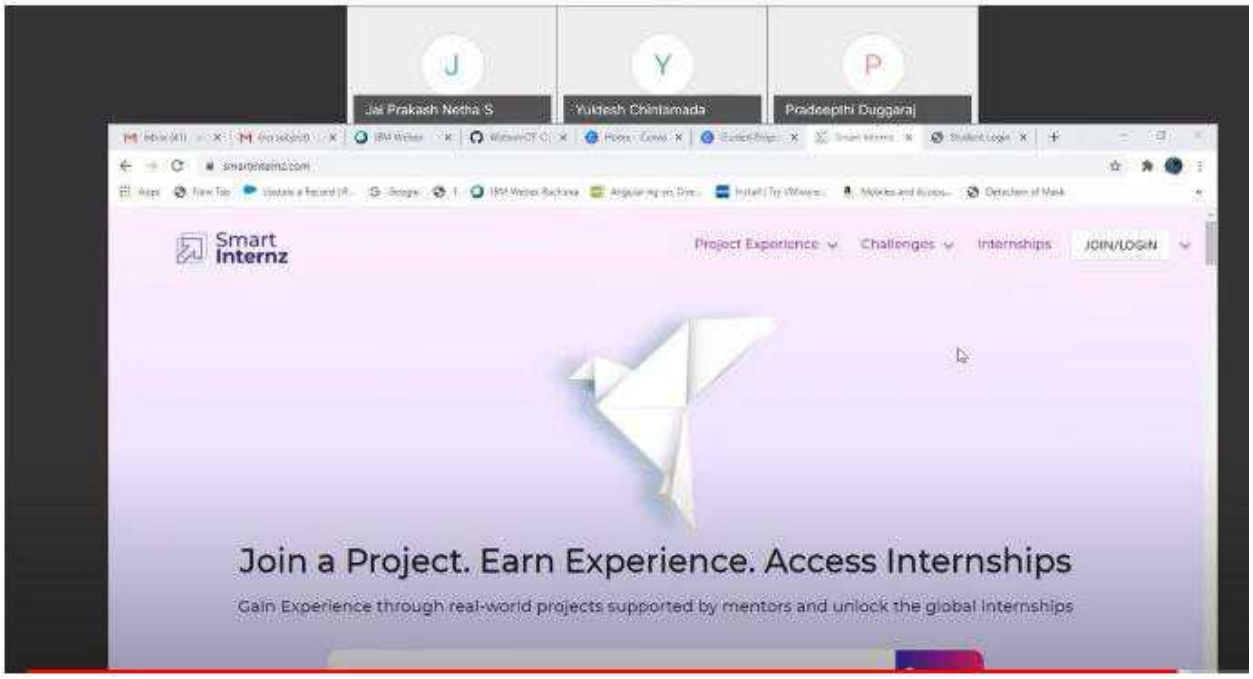


Pic2: Decision Tree construction

Pic3. Random Forest Tree explanation



Pic4. Python Implementation for Random forest



Pic5. Internship opportunities in Machine learning