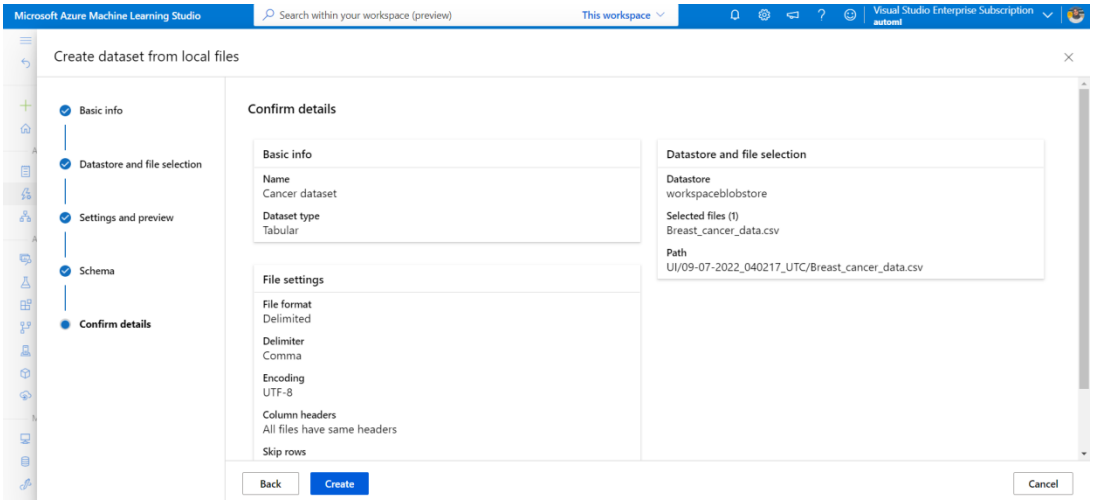
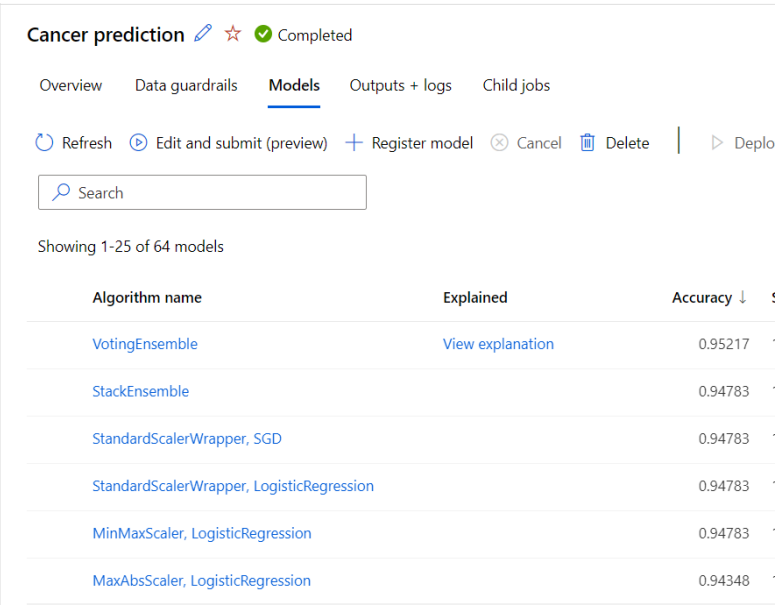
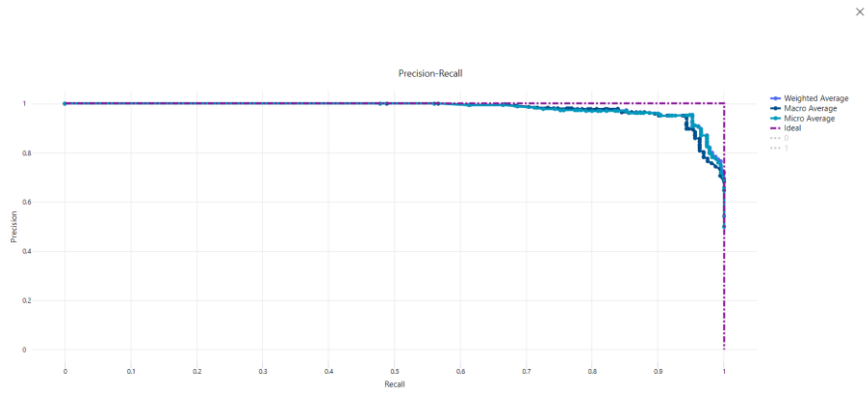
Mini-Project steps briefly

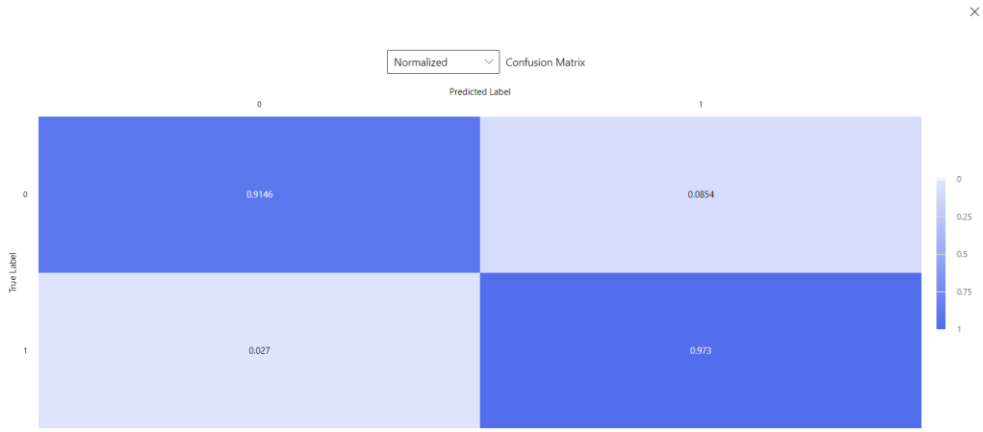
1. **Create automatedML using Azure Machine Learning Studio :**
    - Create and load the Breast cancer dataset
    - Choose the type of problem (classifictaion)
    - Choose the target column(diagnosis)
    - Creat a compute cluster

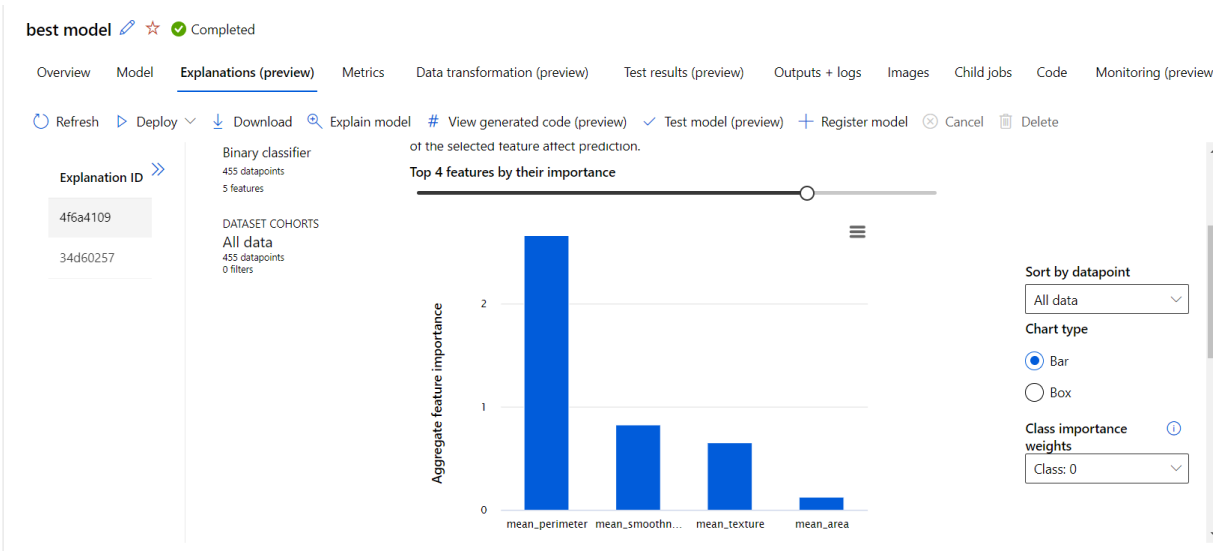


2. **Explore models, explanations, metrics :**
    - Analyze the features importance
    - Visualize the confusion matrix

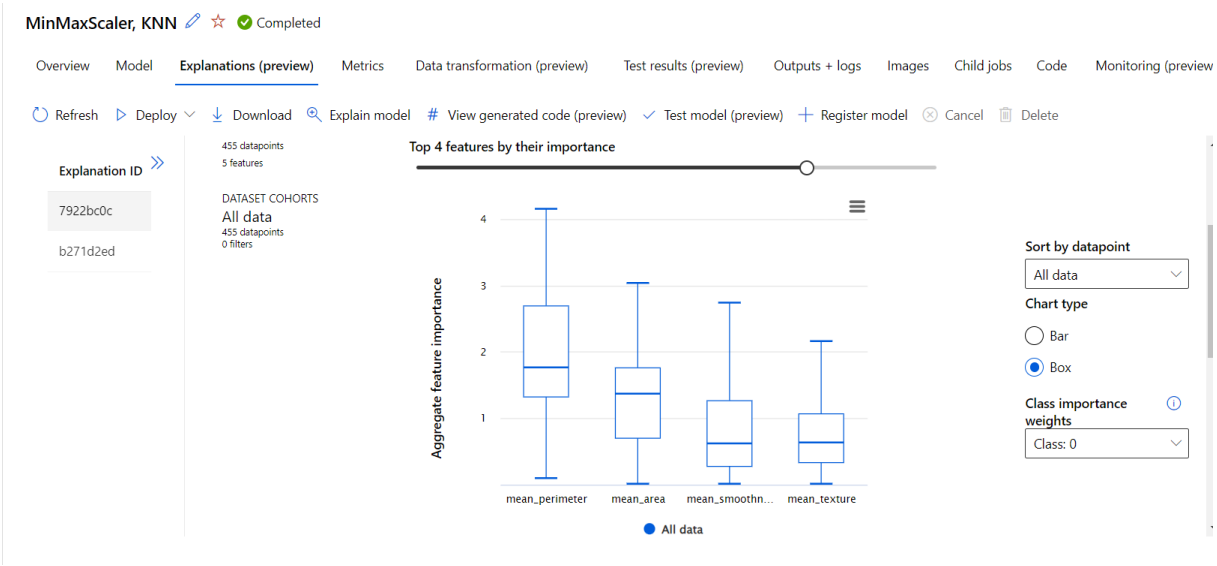




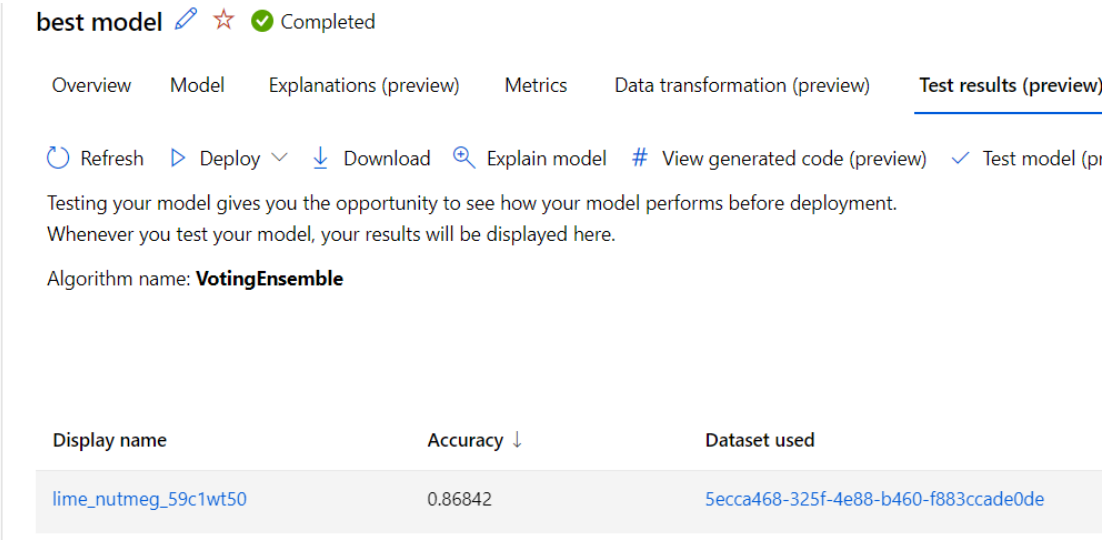




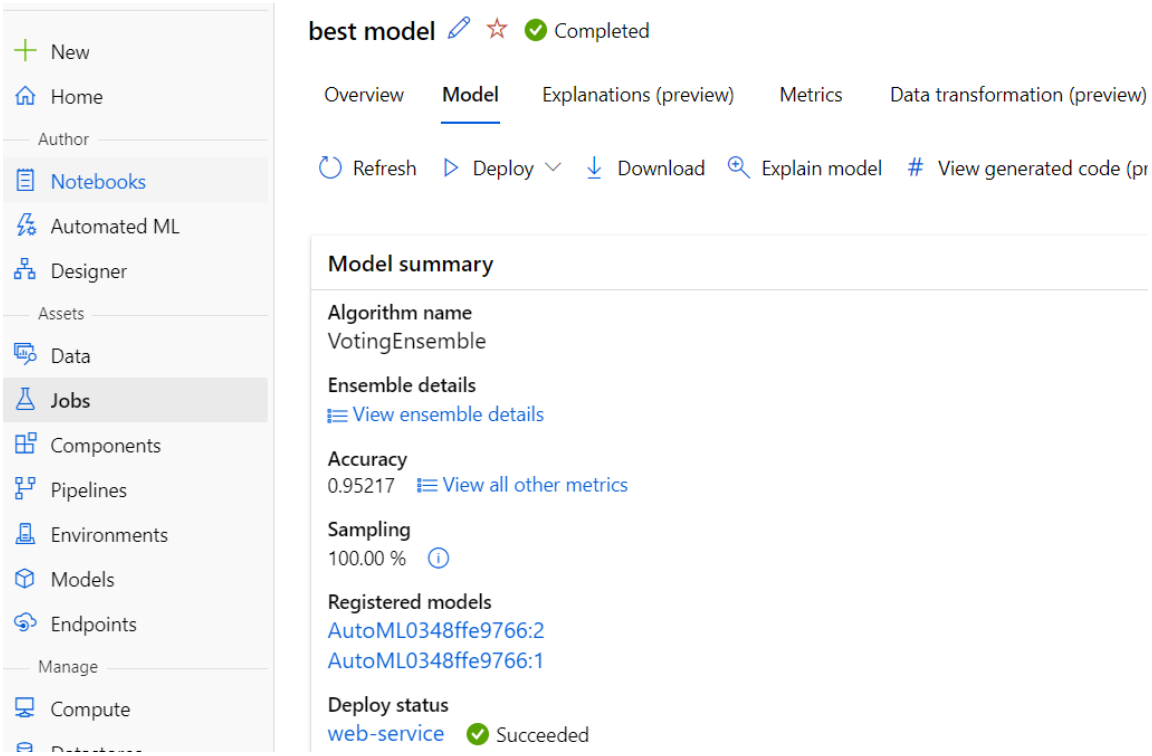
3. **Discover the best model which has the best accuracy.**
4. **Ask for explanations even for models which don’t provide the best results.**



5. Test the model



6. Deploy the model as a web service



7. **Consume the model using PowerBI to predict breast cancer existence**

- Download PowerBI desktop
- PowerBI service subscription
- Load the dataset
- Use « Azure machine learning » to rely the PowerBI desktop with your previous deployed model
- Predict the « disgnosis »
- Visualize the actual and predicted diagnosis values
- Save the report and publish it to PowerBI service’s dashboard