**DEEP LEARNING BASED ON FOOD IMAGE RECOGNITION AND PORTION SIZE DETERMINATION**

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**Team Name : New Crew**

**Team Members :**

**Shreyaa Sridhar ( 21 )**

**Khushbu Kolhe ( 9 )**

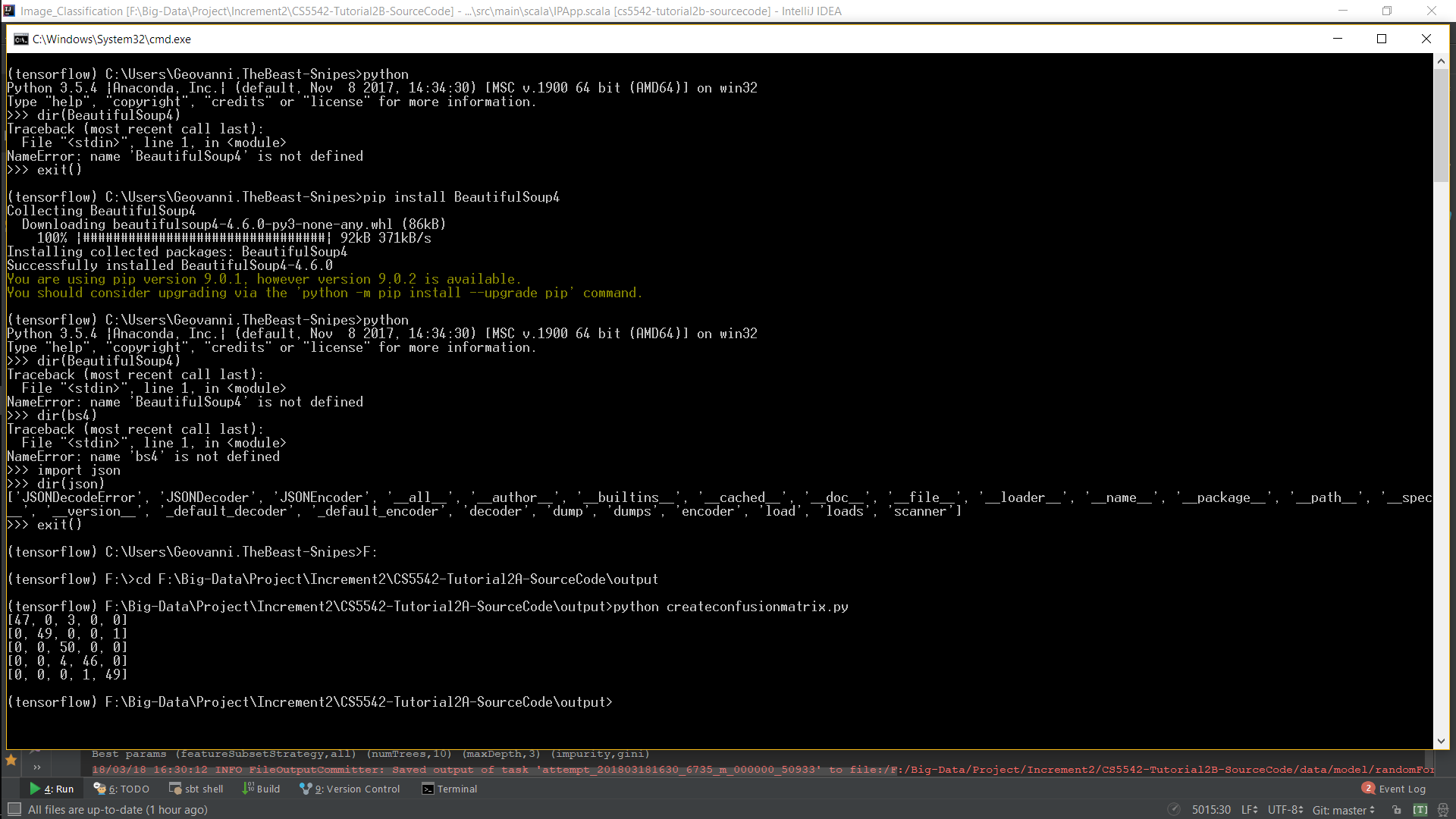
**Geovanni Nicque West ( 23 )**

**Naga Venkata Satya Pranoop Mutha ( 15 )**

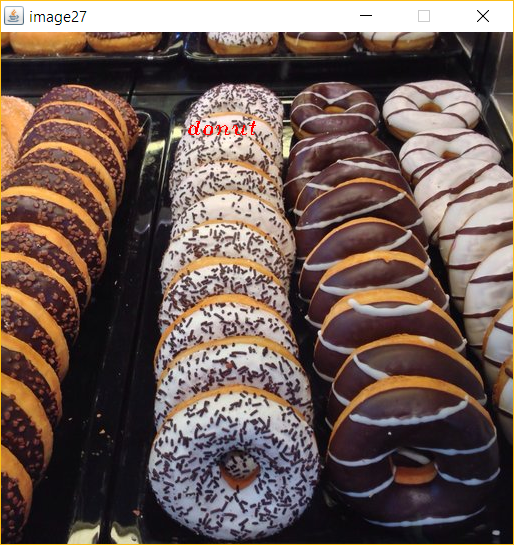
**IMPLEMENTATION**

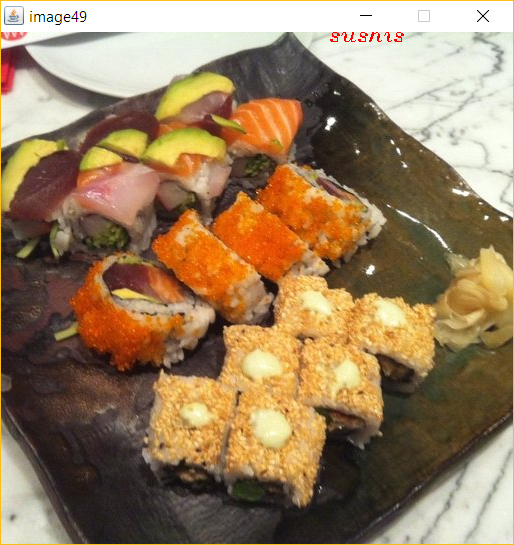
**Clarifai API model**

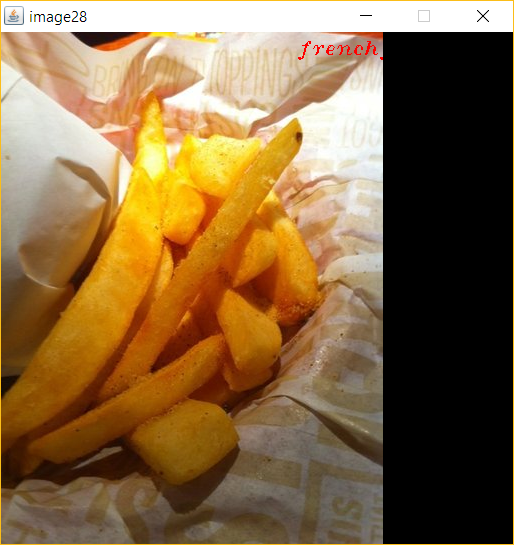
Confusion Matrix generated



Accuracy of our model is **96.4%**

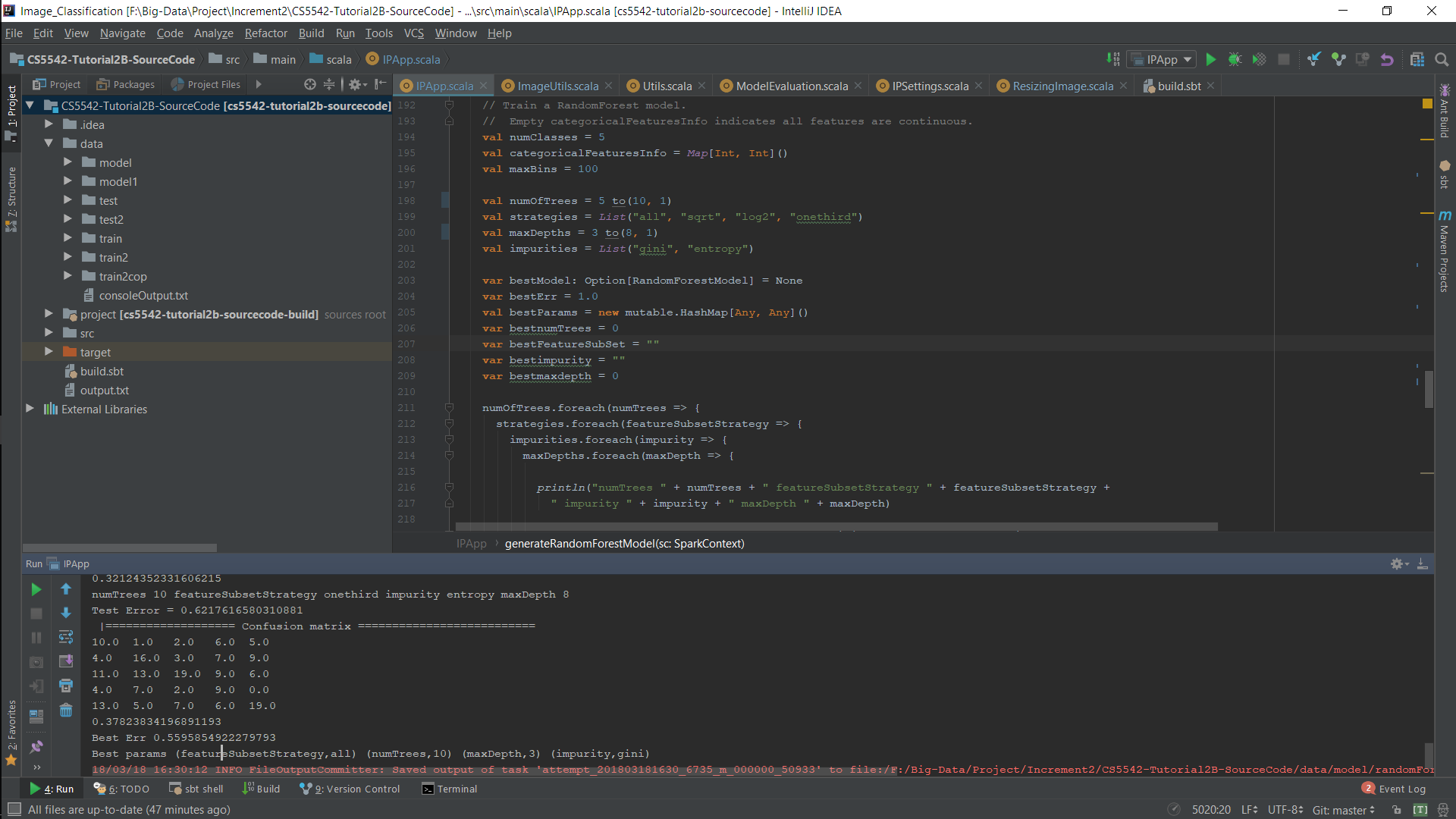
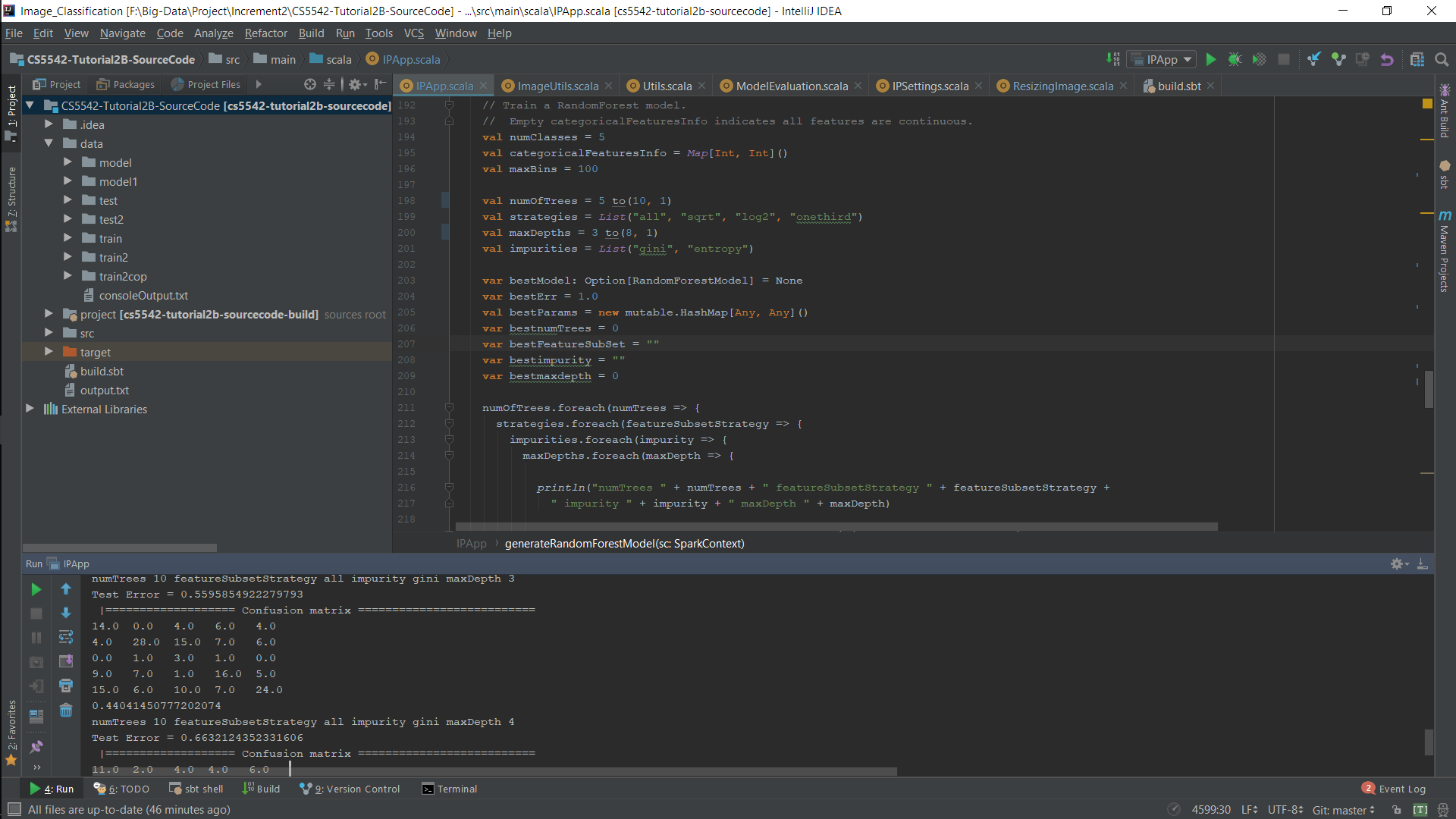
 

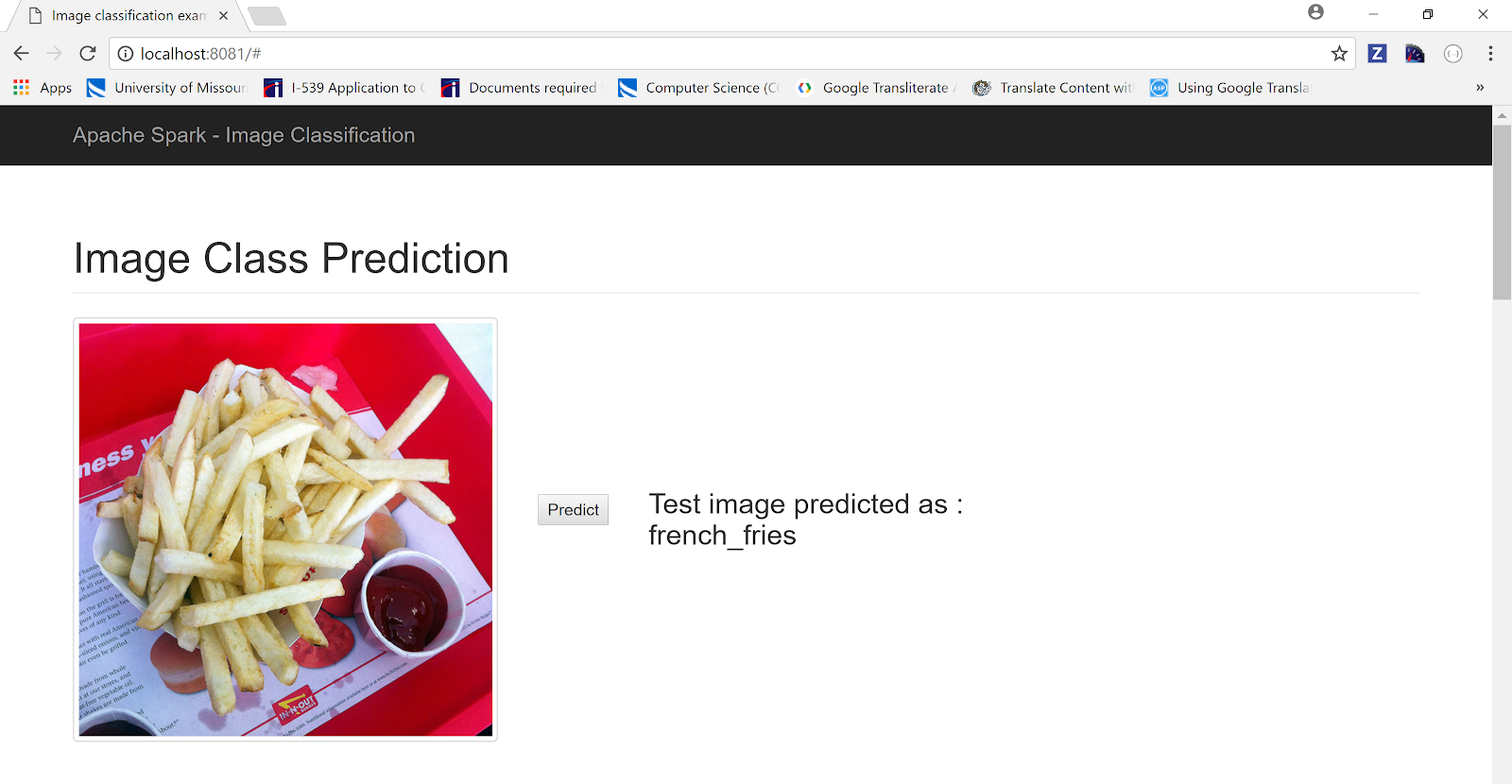


**Spark API model**

Spark best model, Random forest model. Accuracy of our model is **44.04%**

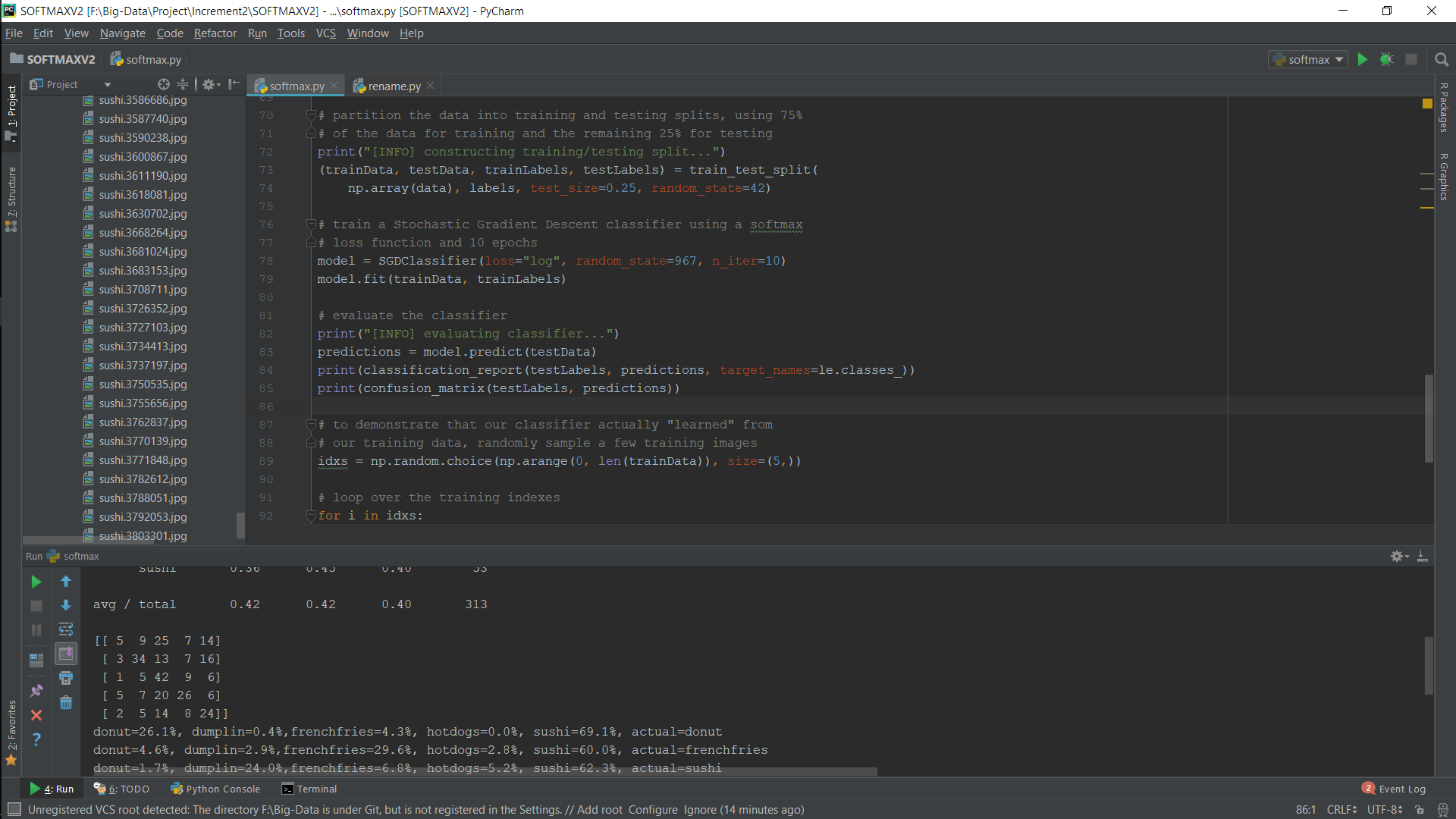


Food Image Prediction



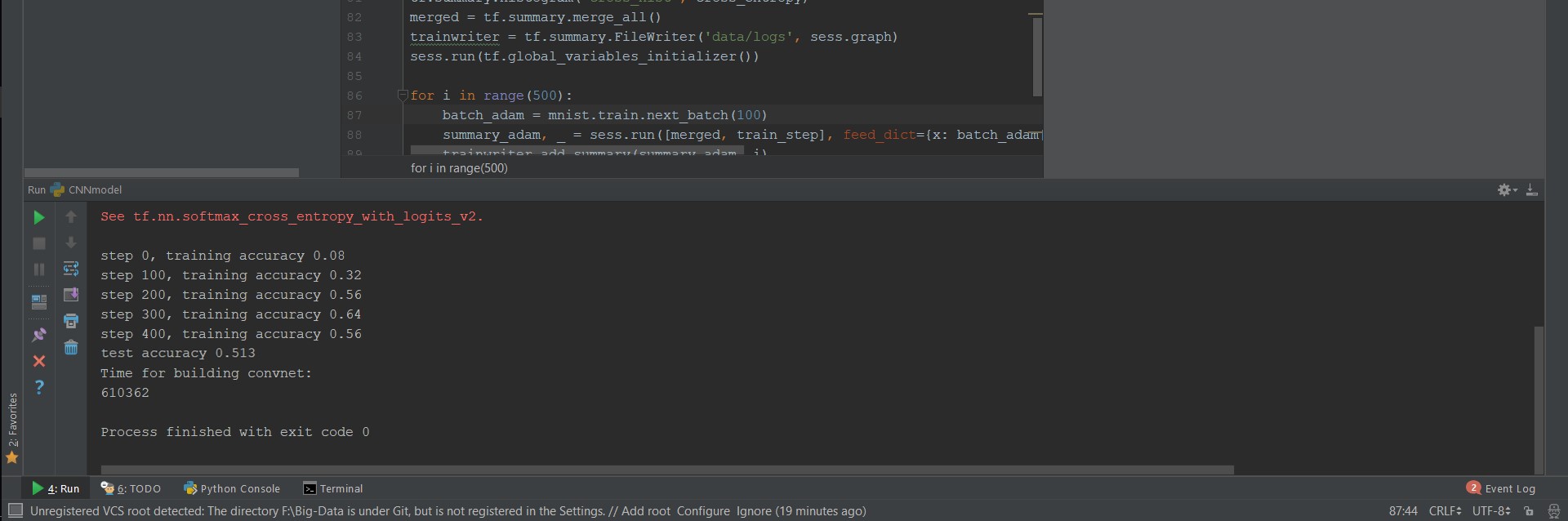
**Softmax Regression model**

Confusion Matrix was generated successfully.



Accuracy of our model is **41.85%**

**CNN Model**



Accuracy of our model is **51.3%**

**PROJECT MANAGEMENT**

**Plan & Project Timelines, Members, Task Responsibility**

Shreyaa Sridhar ( 21 ) - 25%

Khushbu Kolhe ( 9 ) - 25%

Geovanni Nicque West ( 23 ) - 25%

Naga Venkata Satya Pranoop Mutha ( 15 ) - 25%



**REFERENCES**

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