

Execution of Stream lit Application

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Anaconda Prompt - streamlit  X + v

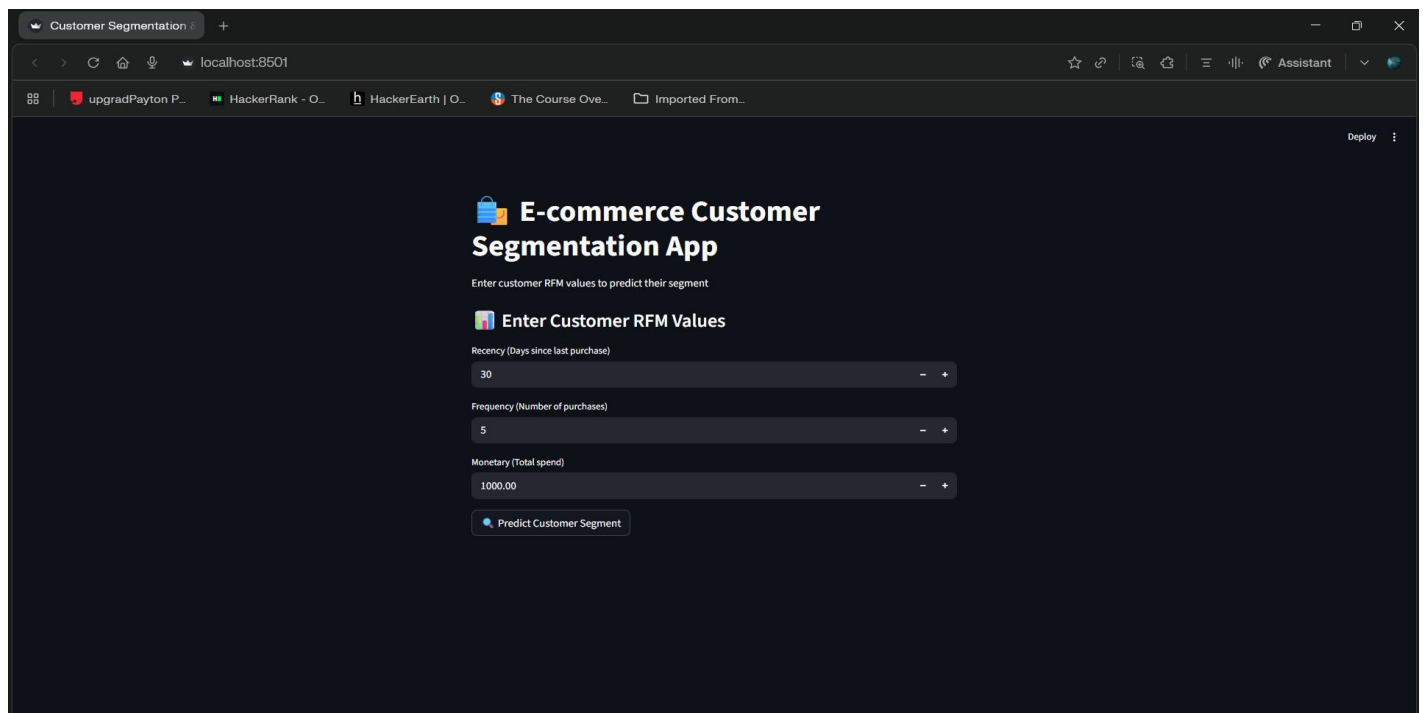
(base) C:\Users\jveda>cd Desktop
(base) C:\Users\jveda\Desktop>cd BIA
(base) C:\Users\jveda\Desktop\BIA>cd "Capstone pro"
(base) C:\Users\jveda\Desktop\BIA\Capstone pro>cd "Streamlit application"
(base) C:\Users\jveda\Desktop\BIA\Capstone pro\Streamlit application>conda activate streamlit_env
(streamlit_env) C:\Users\jveda\Desktop\BIA\Capstone pro\Streamlit application>streamlit run app.py

You can now view your Streamlit app in your browser.

Local URL: http://localhost:8501
Network URL: http://127.0.0.1:8501

C:\Users\jveda\anaconda3\envs\streamlit_env\lib\site-packages\sklearn\base.py:442: InconsistentVersionWarning: Trying to unpickle estimator StandardScaler from version 1.6.1 when using version 1.7.2. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to: https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
  warnings.warn(
C:\Users\jveda\anaconda3\envs\streamlit_env\lib\site-packages\sklearn\base.py:442: InconsistentVersionWarning: Trying to unpickle estimator KMeans from version 1.6.1 when using version 1.7.2. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to: https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
  warnings.warn(
C:\Users\jveda\anaconda3\envs\streamlit_env\lib\site-packages\sklearn\base.py:442: InconsistentVersionWarning: Trying to unpickle estimator DecisionTreeClassifier from version 1.6.1 when using version 1.7.2. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to: https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
  warnings.warn(
C:\Users\jveda\anaconda3\envs\streamlit_env\lib\site-packages\sklearn\base.py:442: InconsistentVersionWarning: Trying to unpickle estimator RandomForestClassifier from version 1.6.1 when using version 1.7.2. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to: https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
  warnings.warn(
|
```

Home Page of stream lit application



Predication:-

Low Value Customer

Customer Segmentation

localhost:8501

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E-commerce Customer Segmentation App

Enter customer RFM values to predict their segment

Enter Customer RFM Values

Recency (Days since last purchase)

400

Frequency (Number of purchases)

1

Monetary (Total spend)

10.00

Predict Customer Segment

Prediction Results

KMeans Cluster

3

Segment: Low-Value Customers

RF Predicted Segment

Low-Value Customers

Segment: Low-Value Customers

Business Insight

Low engagement & spending. Risk of churn

Deploy

Regular Customers

Customer Segmentation

localhost:8501

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Segmentation App

Enter customer RFM values to predict their segment

Enter Customer RFM Values

Recency (Days since last purchase)

44

Frequency (Number of purchases)

3

Monetary (Total spend)

1349.00

Predict Customer Segment

Prediction Results

KMeans Cluster

1

Segment: Regular Customers

RF Predicted Segment

Regular Customers

Segment: Regular Customers

Business Insight

Average engagement. Target with promotions

Deploy


High-Value Customers

Customer Segmentation


localhost:8501

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Deploy

 **E-commerce Customer Segmentation App**

Enter customer RFM values to predict their segment


 Enter Customer RFM Values

Recency (Days since last purchase)
15

Frequency (Number of purchases)
22

Monetary (Total spend)
12425.00

Predict Customer Segment


 Prediction Results

KMeans Cluster
0

RF Predicted Segment
High-Value Customers

Segment: High-Value Customers

Segment: High-Value Customers

 Business Insight

Strong customers with good spending. Upsell premium products


VIP Customers

Customer Segmentation


localhost:8501

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Deploy

 **E-commerce Customer Segmentation App**

Enter customer RFM values to predict their segment


 Enter Customer RFM Values

Recency (Days since last purchase)
7

Frequency (Number of purchases)
82

Monetary (Total spend)
127188.00

Predict Customer Segment


 Prediction Results

KMeans Cluster
2

RF Predicted Segment
VIP Customers

Segment: VIP Customers

Segment: VIP Customers

 Business Insight

High spending & highly frequent customers. Offer loyalty rewards