```
 1 "C:\Users\Disha R\AppData\Local\Programs\Python\
   Python311\python.exe" "C:\Users\Disha R\
   PycharmProjects\kiosk project\python project\churn2.
   py"
 2 Dataset loaded: (99999, 226)
 3
 4 Churn distribution:
 5  churn
 6 0     90930
 7 1      9069
 8 Name: count, dtype: int64
 9
10 Leakage features removed
11
12 Model trained
13
14 Classification Report:
15
16             precision    recall  f1-score   support
17
18          0       0.97      0.92      0.95     18186
19          1       0.48      0.73      0.58      1814
20
21   accuracy                           0.90     20000
22  macro avg       0.73      0.83      0.76     20000
23 weighted avg     0.93      0.90      0.91     20000
24
25 ROC-AUC: 0.9175198800196572
26
27 Risk Distribution:
28  churn_risk_level
29 Low Risk       82012
30 High Risk       9130
31 Medium Risk     8857
32 Name: count, dtype: int64
33
34 Actionable customers: 17987
35
36 CSV files saved in project folder
37
38 Top 10 Churn Drivers:
```

```
39   arpu_8                   0.086380
40 total_rech_amt_8           0.075446
41 total_og_mou_8             0.074885
42 total_ic_mou_8             0.072597
43 last_day_rch_amt_8         0.067240
44 max_rech_amt_8             0.065930
45 loc_og_mou_8               0.043350
46 loc_og_t2t_mou_8           0.034989
47 loc_og_t2m_mou_8           0.029929
48 loc_ic_mou_8               0.029482
49 dtype: float64
50
51 INSIGHTS SUMMARY:
52
53 Total customers: 99999
54 High Risk: 9130
55 Medium Risk: 8857
56 Low Risk: 82012
57
58 Top churn drivers:
59 arpu_8                     0.086380
60 total_rech_amt_8           0.075446
61 total_og_mou_8             0.074885
62 total_ic_mou_8             0.072597
63 last_day_rch_amt_8         0.067240
64
65
66 Process finished with exit code 0
67
```