

Data Exploration Insights:

Data Information:

None

First few rows of the dataset:

		Id	Income	Age	Experience	Married/Single	House_Ownership	Car_Ownership \
0	1	1303834	23	3	single	rented	no	
1	2	7574516	40	10	single	rented	no	
2	3	3991815	66	4	married	rented	no	
3	4	6256451	41	2	single	rented	yes	
4	5	5768871	47	11	single	rented	no	

		Profession	CITY	STATE	CURRENT_JOB_YRS \
0		Mechanical_engineer	Rewa	Madhya_Pradesh	3
1		Software_Developer	Parbhani	Maharashtra	9
2		Technical_writer	Alappuzha	Kerala	4
3		Software_Developer	Bhubaneswar	Odisha	2
4		Civil_servant	Tiruchirappalli[10]	Tamil_Nadu	3

		CURRENT_HOUSE_YRS	Risk_Flag
0		13	0
1		13	0
2		10	0
3		12	1
4		14	1

Missing values in the dataset:

Id 0

Income 0

Age 0

Experience 0

Married/Single 0

House\_Ownership 0

Car\_Ownership 0

Profession 0

CITY 0

STATE 0

CURRENT\_JOB\_YRS 0

CURRENT\_HOUSE\_YRS 0

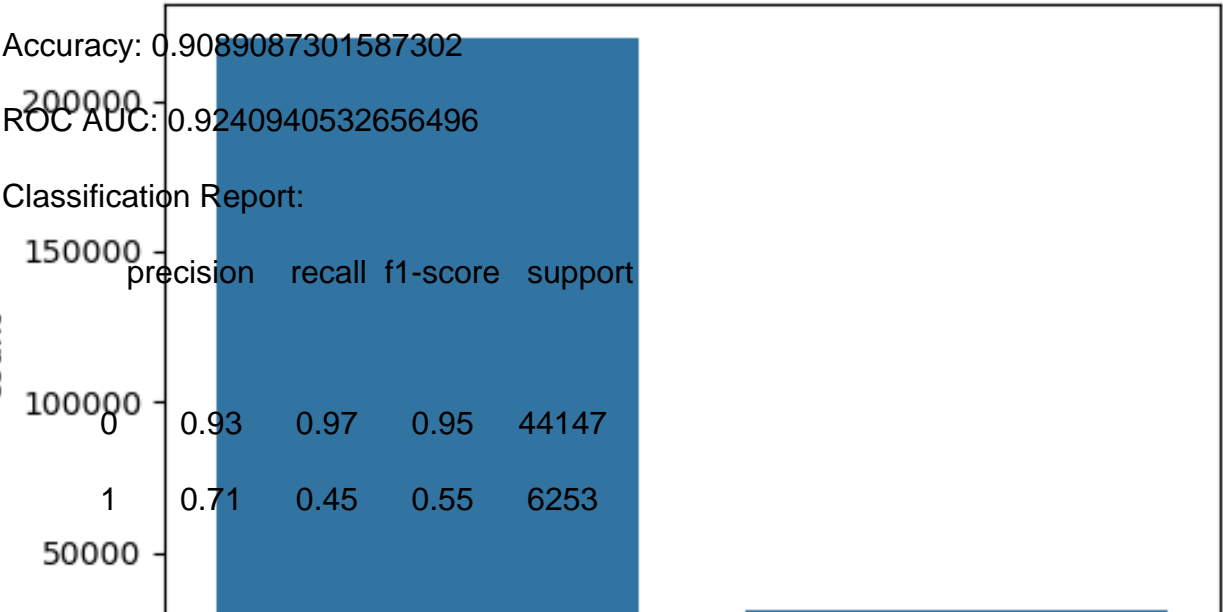
Risk\_Flag 0

dtype: int64

Data Visualizations:

Model Performance:

Model Performance: Distribution of Risk\_Flag



accuracy		0.91	50400	
macro avg	0.82	0.71	0.75	50400
weighted avg	0.90	0.91	0.90	50400

Confusion Matrix:

```
[[43007 1140]
 [ 3451 2802]]
```

Feature Importance:

