Based on EDA + Data Analysis:

→ Columns to KEEP (for Feature Engineering):

```
'Age',
  'Salary_Net_Income',
  'Social_security_net_income',
  'Self_employed_net_income',
  'Salary_frequency',
  'Months_current_job',
  'Total_experience_months',
  'Ever_Bankrupt',
  'Loan_Amount',
  'Interest_rate',
  'Tenure',
  'Fee',
  'Recurring payment amount',
  'Penalty',
  'Current_delinquent',
  'Current_default',
  'Past_delinquencies',
  'Credit_Score',
  'Past_to_be_collected',
  'Past_Collection_amount',
  'Refinance',
  'Extended_payment_plan',
  'Settlement_plans_with_waive_off'
1
```

```
[
'Customer_ID',
'Loan_ID',
'Current_Bankruptcy_status',
'Tenure_type',
'Accepted_option',
'Promised_to_pay',
'Promised_to_pay_status',
'Past_Collection_Success',
'Total_Due',
'No_of_days_since_last_payment',
'Missed_payments',
'On_time_payments'
]
```

Why to keep?

selected features that have a direct or logical relationship with a customer's ability to repay or settle their dues — things like income, job stability, loan details, credit score, and past payment behavior.

Why to Drop?

Dropping columns like like (**Customer_ID'**, **'Loan_ID**) are redundant (like **Current_Bankruptcy_status** overlapping with Ever_Bankrupt), textual/categorical fields with too many missing values, or columns that could potentially leak future information (Total_Due, Missed_payments, etc.).