Validation Report for local - customer\_churn\_dataset\_local.csv

missing\_data: {'customerID': '0 missing (0.00%)', 'gender': '1000 missing (10.00%)', 'SeniorCitizen': '1000 missing (10.00%)', 'Partner': '1000 missing (10.00%)', 'Dependents': '1000 missing (10.00%)', 'tenure': '1000 missing (10.00%)', 'PhoneService': '1000 missing (10.00%)', 'MultipleLines': '1000 missing (10.00%)', 'InternetService': '1000 missing (10.00%)', 'OnlineSecurity': '1000 missing (10.00%)', 'OnlineBackup': '1000 missing (10.00%)', 'Churn': '0 missing (0.00%)'}

tenure: 0 out of 10000 rows (0.00%) are outside the expected range (0, 100).

Churn: Binary column; outlier check not applicable.

gender: 1000 invalid values out of 10000 rows (10.00%). Found: [nan].

PhoneService: 1000 invalid values out of 10000 rows (10.00%). Found: [nan].

MultipleLines: Unique values: ['No', 'Yes', 'No phone service', nan]

OnlineSecurity: Unique values: ['No', 'Yes', 'No internet service', nan]

Dependents: Unique values: ['No', 'Yes', nan]

Partner: Unique values: ['Yes', 'No', nan]

InternetService: Unique values: [nan, 'Fiber optic', 'DSL', 'No']

OnlineBackup: Unique values: ['No internet service', 'Yes', nan, 'No']

duplicates: 0 duplicate rows found out of 10000 rows (0.00%).

outliers: {'tenure': '0 out of 10000 rows (0.00%) are outliers.', 'Churn': 'Binary column; outlier check not applicable.'}