Bank Statement Analysis Report

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Methodology

1. Extracted PDF data using pdfplumber and regex, handling differences in Statement layouts.
2. Standardized account details and transactions into structured CSV files.
3. Implemented rule-based checks for large withdrawals (DD > RS.10,000), large deposits (RTGS > RS.50,000), and entity-specific transactions (Guddu, Prabhat, Arif, Coal India).
4. Built a timeline visualization of withdrawals vs deposits.
5. Generated this automated summary report.

Challenges Faced

- Variability between bank formats .
- Multi-line and messy narration fields.
- Currency/amount formatting issues with commas and CR/DR.
- Ensuring balance consistency while parsing.

Flagged Transactions Summary

DD Large Withdrawals: 0 transactions

RTGS Large Deposits: 0 transactions

Specific Entities: 2 transactions

Visualization