FRONTEND SERVER:

```
Compiled successfully!

You can now view frontend in the browser.

Local: http://localhost:3000
On Your Network: http://192.168.162.119:3000

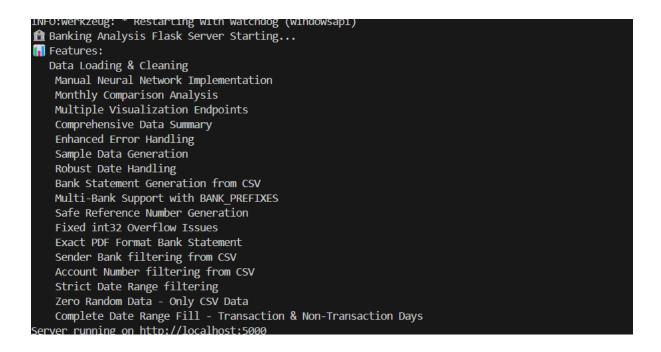
Note that the development build is not optimized.
To create a production build, use npm run build.

webpack compiled successfully
```

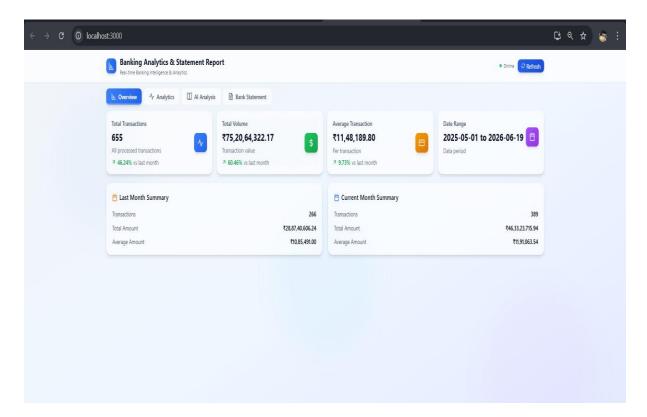
BACKEND SERVER:

```
INFO:werkzeug:127.0.0.1 - - [30/Jun/2025 14:11:19] "GET /api/visualizations HTTP/1.1" 200 - PS D:\soa> cd backend
PS D:\soa\backend> python app.py

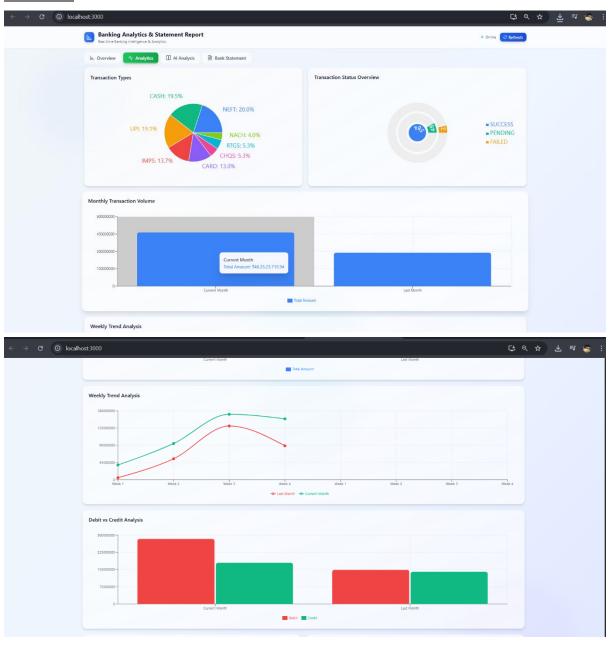
the Banking Analysis Flask Server Starting...
Features:
    Data Loading & Cleaning
Manual Neural Network Implementation
      Monthly Comparison Analysis
      Multiple Visualization Endpoints
      Comprehensive Data Summar
      Enhanced Error Handling
      Sample Data Generation
      Robust Date Handling
Bank Statement Generation from CSV
      Multi-Bank Support with BANK_PREFIXES
     Safe Reference Number Generation
Fixed int32 Overflow Issues
      Exact PDF Format Bank Statement
      Sender Bank filtering from CSV
Account Number filtering from CSV
Account Number Filtering From CSV
Strict Date Range filtering
Zero Random Data - Only CSV Data
Complete Date Range Fill - Transaction & Non-Transaction Days
Server running on http://localhost:5000
   ' Serving Flask app 'app'
 * Debug mode: on
INFO:werkzeug:WARNING: This is a devel
* Running on all addresses (0.0.0.0)
* Running on http://127.0.0.1:5000
 * Running on http://192.168.162.119:5000
INFO:werkzeug:Press CTRL+C to quit
INFO:werkzeug: * Restarting with watchdog (windowsapi)
 ⚠ Banking Analysis Flask Server Starting...
    Data Loading & Cleaning
Manual Neural Network Implementation
```



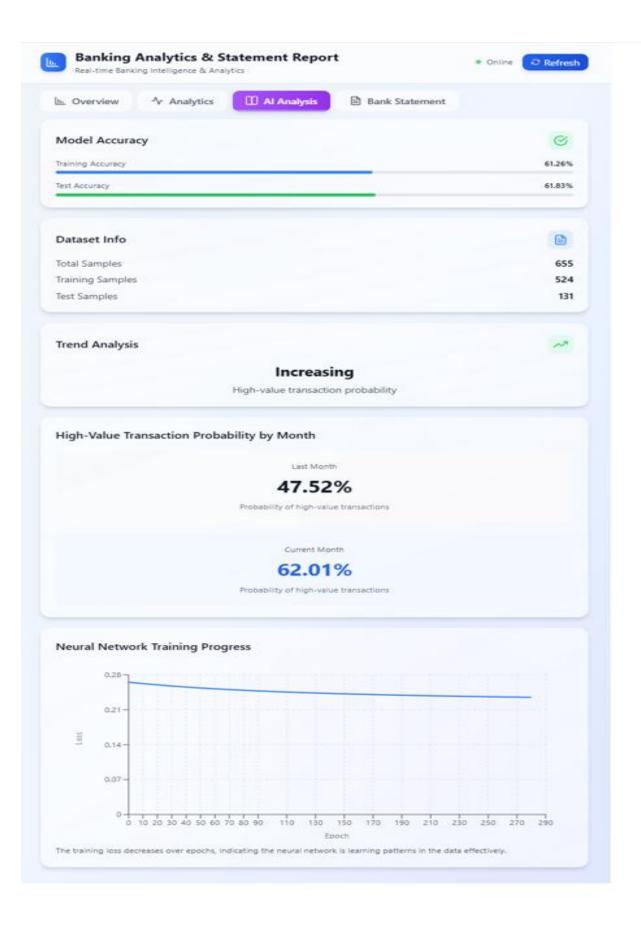
UI INTERFACE



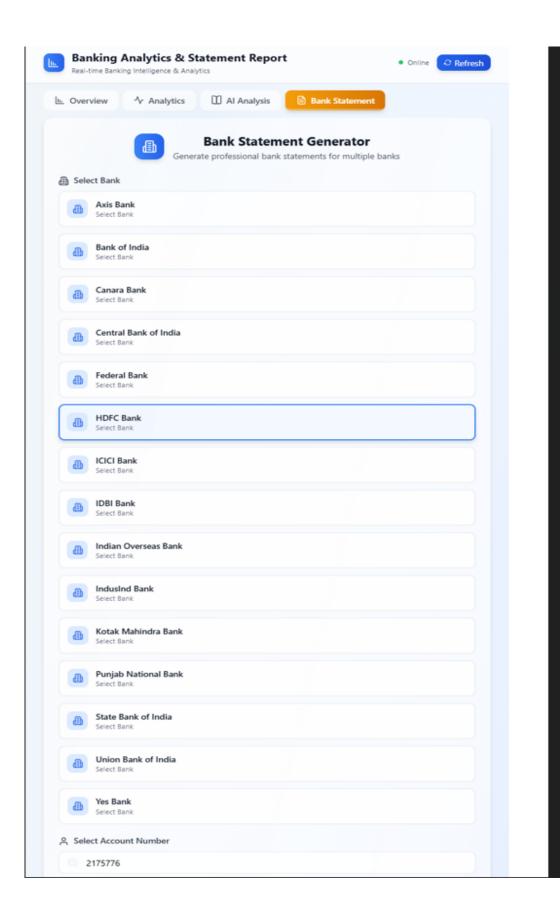
ANALYTICS:

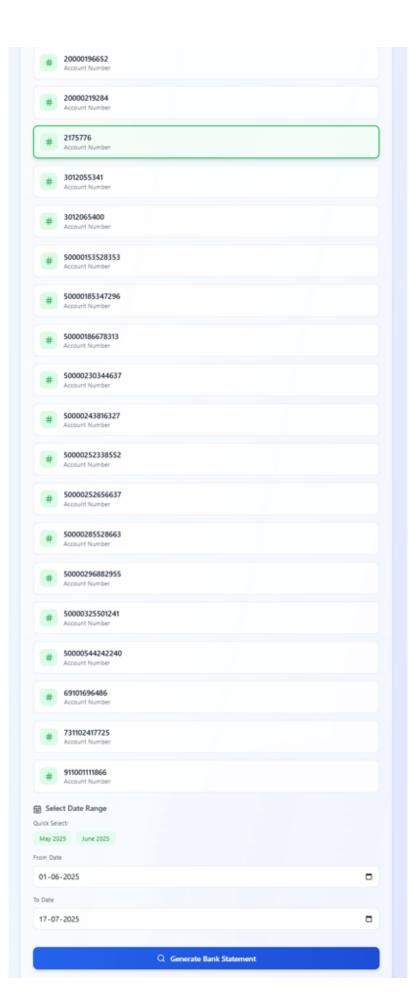






BANK STATEMENT:





STATEMENT:

