Feedback Summarizer

🔎 MiraScope

`"Mira" comes from *mirari* – to wonder; "Scope" is a lens into detail. Together, they suggest a tool that turns scattered responses into patterns worth noticing.`

Description

Build a tool that ingests Google Form results (via pasted form link or uploaded CSV) and produces an automated summary: sentiment distribution, top themes, representative quotes, simple charts (bar/pie), and recommended action items. Provide a downloadable summary report (PDF/HTML).

Must Requirements

1. Accept input as either a Google Form link (if possible) or a CSV upload of responses.
2. Parse typical question types (ratings, multiple choice, short text) and normalize them.
3. Perform sentiment analysis on free-text responses and aggregate sentiment counts.
4. Extract top themes/keywords from open responses and provide representative quotes.
5. Generate a one-page summary with charts (bar/pie) and suggested actions.

Optional Features

1. Topic clustering for open-ended answers (TF-IDF or simple embeddings).
2. Confidence scores for suggested actions, export raw annotated CSV.
3. Multi platform support like Microsoft Forms, etc.
4. Returning actual responses as proof and support.

Acceptance Criteria

- Upload sample CSV and produce a coherent summary with sentiment chart, top 3 themes, and 3 suggested actions.
- The report is downloadable and includes representative quotes.
- Entire end-to-end expected working is fulfilled.

Recommended Tech Stacks

1. Frontend
   React / NextJs + simple charting (Chart.js)
2. Backend
   Node.js (Express) / Python (Flask/Django)
3. Database
   MongoDB / SQLite / ChromaDB
4. NLP
   spaCy/TextBlob/VADER for sentiment; optional embeddings (sentence-transformers)
5. LLM APIs
   Gemini 2.0 Flash / 2.5 Flash OR Grok APIs
6. Reporting
   PDF generation library (WeasyPrint / wkhtmltopdf / jsPDF)

Impact / Context

Organizers, Coordinators and many more individuals receive lots of form data; automated summarization saves time and surfaces actionable insights quickly. Beginners learn basic NLP and visualization.