**Brief Explanation of the Project**

The project aims to develop an AI-powered tool that processes data from a user-uploaded dataset (CSV or Google Sheet), performs web searches for specific information based on user-defined queries, extracts relevant details using an LLM (Language Learning Model), and displays/downloads the results in a user-friendly manner.

**Key Features & Functionality**

1. **Dashboard for Data Input**:
   * Allows users to upload a CSV file or link a Google Sheet for input.
   * Displays available columns for user selection and shows a preview of the data.
2. **Dynamic Query Input**:
   * Enables users to create custom prompts with placeholders (e.g., {entity}).
   * Dynamically replaces placeholders with actual data during processing.
3. **Automated Web Search**:
   * Conducts web searches for each entry in the selected column based on the user’s custom prompt.
   * Leverages APIs like SerpAPI or ScraperAPI to gather search results efficiently.
4. **LLM Integration for Information Extraction**:
   * Parses search results using an LLM to extract requested information (e.g., emails, addresses).
   * Handles errors gracefully, ensuring consistent performance.
5. **Data Display and Export**:
   * Presents extracted data in a tabular format within the dashboard.
   * Offers options to download results as a CSV or update the connected Google Sheet.