

## LeadGen Pro – Project Report

### Objective

To build an AI-powered tool that enables users to explore startup leads, interact with data using natural language, and send personalized collaboration emails — all through a sleek and user-friendly interface.

### Key Features

#### 1. Interactive Dashboard

- Summary of total leads, hiring startups, and average scores
- Filter by location, funding stage, tech stack, and hiring status

#### 2. Chat with CSV

- Ask natural queries like:
  - “Which companies raised more than \$5M?”
  - “Who's hiring in San Francisco using Python?”
- Powered by the **MiniLM transformer model** to match questions with startup context

#### 3. Email Automation System

- Option to send a **default email** or **custom message**
- Uses **SMTP** (can be upgraded to API-based email delivery like Gmail API or SendGrid)

#### 4. Modern UI (Streamlit)

- Gradient backgrounds, styled buttons, clean layout
- Responsive and intuitive design for ease of use

### Technology Stack

- Streamlit – Interface
- Pandas – Data manipulation
- SentenceTransformers (MiniLM) – Semantic search
- SMTP – Email delivery
- *(Optional)* Matplotlib – Future charting support

### How to Scale This Further

- Integrate **API-based email services** (SendGrid, Mailgun, Gmail API)

- Host data using **Google Sheets API** or a **cloud DB**
- Replace local NLP model with **OpenAI or Cohere API** for higher accuracy
- Add **authentication** and **logging** for secure multi-user access

#### **Outcome**

- Chat with your CSV using AI
- Discover qualified startup leads quickly
- Personalize communication with automation
- All inside one smart, streamlined dashboard