**API KEYS USED**

**🌍 Google Maps APIs**

* **Geocoding API** – Convert city names to latitude/longitude.
* **Places API** – Find nearby stores by category (grocery, pharmacy, etc.).
* **Distance Matrix API** – Measure distance between users and stores.
* **Directions API** – Provide navigation links to selected stores.

**🤖 Google AI (Gemini) APIs**

* **Generative AI API** – LLM for chat, reasoning, and answering queries.
* **Vertex AI API** – Manage & run Gemini models (LLM + Embeddings).
* **Embeddings API** – Convert documents (PDF/DOCX/TXT) into vector embeddings for semantic search (RAG).

**☁️ Google Cloud Platform (GCP) Services**

* **Compute Engine –** Backend runtime environment (VMs) for deploying the agent/app.
* **Vertex AI –** Model hosting, embeddings, and AI pipelines (underpins Gemini integration).

**🔗 LangChain + RAG**

* **LangChain Agents/Tools** – For chaining Gemini + store search functions.
* **FAISS Vector Store** – Index & retrieve document chunks (PDF/DOCX/TXT).

**📧 Email & Alerts**

* **SMTP** – Send stock/restock email notifications.

**🛠️ Extra Utilities**

* **Geopy** – Local distance calculations (geodesic).
* **Streamlit** – Web front-end for the application.
* **Pyngrok** – Public app sharing.
* **PDF/DOCX Parsing APIs** – (pypdf, python-docx) for document text extraction.