**Architecture Diagram for Data Analysis Chatbot**

1. **User Interface (Frontend)**
   * **HTML/CSS**: User inputs API Key, Endpoint, and selects Analysis Type.
   * **JavaScript**: Handles the send button click, gathers inputs, displays user message, and sends data to the backend.
2. **Backend Server (Flask Application)**
   * **File**: server.py
   * **API Endpoints**:
     + /: Serves the index.html file.
     + /analyze: Handles the analysis request.
3. **Data Processing**
   * **Pandas**: Reads and processes the SuperStore Sales DataSet.csv.
   * **Preprocessing**:
     + Cleans Sales and Profit columns.
     + Converts data types and removes invalid entries.
4. **Azure OpenAI Integration**
   * **Client Setup**: Configured with endpoint and API key.
   * **Analysis Types**:
     + **Anomaly Detection**: Identifies anomalies in the dataset.
     + **Predictive Forecasting**: Forecasts future sales.
5. **Response Handling**
   * **JavaScript**: Processes the response from the server and updates the chat interface with the analysis results.