**Component Interaction Flow**

Team ID: LTVIP2025TMID20497

Project Name: Sustainable Smart City Assistant Using IBM Granite LLM

1. **User Input**: Users interact through Streamlit dashboard
2. **API Gateway**: FastAPI routes requests to appropriate services
3. **AI Processing**: IBM HuggingFace processes natural language queries
4. **Vector Search**: Pinecone handles semantic document retrieval
5. **Data Analysis**: ML models process KPI data for insights
6. **Response**: Results rendered in user-friendly interface

