Project Synopsis: Summify

# Project Title:

Summify – Chat with Your PDF

# Synopsis:

## Overview:

Summify is an intelligent PDF interaction platform that allows users to upload documents and engage with their content through a conversational chatbot interface. It leverages state-of-the-art language models and vector embedding technologies to provide accurate, contextual responses to user queries.

## Key Features:

- PDF file upload and automatic content extraction.  
- Embedding generation using sentence transformers for contextual understanding.  
- Conversational chatbot powered by LangChain and Google Generative AI.  
- Semantic search using Chroma vector database.  
- Streamlit-based intuitive user interface.

## Technologies Used:

- LangChain for orchestration of LLM tools.  
- Chroma DB for vector storage and retrieval.  
- Google Generative AI for natural language generation.  
- Streamlit for web interface.  
- PyMuPDF / pdfplumber for PDF parsing.

## Objective:

To create a tool that transforms static PDF content into an interactive, searchable knowledge source using advanced NLP techniques.

## Outcome:

Summify significantly reduces the time spent reading long documents by enabling instant Q&A-style interaction, thereby enhancing productivity and information accessibility.