Project Components

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Team ID	SWTID1720074725
Project Name	CodeXchange: An AI-Powered Code Translator Tool

Api and Interfaces

1. Google Gemini AI API

   Google Gemini AI is a suite of advanced AI and machine learning tools provided by Google. One of its key offerings is the PaLM (Pathways Language Model), which includes various models such as palm chat-bison-001. These models are designed for natural language understanding, generation, and translation tasks, making them suitable for applications like code translation.

2. Streamlit User Interface

   Streamlit is an open-source Python library designed to simplify the creation of interactive web applications for machine learning and data science projects. It allows developers to build custom web interfaces with minimal coding effort, offering real-time updates and seamless integration with Python's ecosystem. In CodeXchange, Streamlit facilitates user inputs, displays translated code, and ensures a responsive and user-friendly experience.