



Figure 1: Flowchart for Fine-tuning Enhanced RAG Algorithm

Executive Diagram for Fine-tuning Enhanced RAG: This diagram illustrates the process of integrating vector database queries with fine-tuned Language Models (LLMs) to enhance the response generation capabilities in a Retrieval-Augmented Generation (RAG) framework. By combining the strengths of vector databases and fine-tuned language models, the system leverages both contextualized data from the vector database and expert knowledge from the fine-tuned LLMs to produce highly relevant and accurate responses.