**Cold email generator using Llama3.1**

**Tools used:** Llama3.1, langchain, google vector database, stream lit

**Tech architecture:**

Input [ Link of job description] 🡪

Extract text from the career page using Langchain [webbaseloader] 🡪

extract job role, skills and description in json format using LLM [prompttemplate] 🡪

load into chroma db, where relevant roles and portfolios are stored [this is used to find relevant information] 🡪 portfolio links obtained from chromadb and job description from json files to llm 🡪 Cold email

Llama 3.1 can be used in local computer or other environment [ollama] instead we use groqcloud.

It provides fast inference with the help of language processing unit [lpu].

Langchain is a framework which makes building llm application easier.

Chatgroq is a class langchain offers.

LLM : llama3

API key: gsk\_qRBWGvoKrqylOMvcITcAWGdyb3FYaaENj8Tmnmo34uRU2w6gFayN \