

# (Code) Mini Capstone Part-1: Enhancing Cold Email Outreach with LLMs

## Background and Challenge:

Cold email outreach is vital for businesses, job seekers, and freelancers aiming to expand networks and secure opportunities. Crafting personalized and compelling emails can be time-consuming, leading to low engagement when done manually. This creates the need for an automated solution to generate effective, personalized email content efficiently.

## Proposed Solution: EmailGenie

EmailGenie is an AI-powered email generator designed to craft personalized cold outreach emails for diverse users. It leverages Llama 3.1 and integrates with Gradio chatbot interfaces to provide an intuitive user experience, producing tailored emails for businesses and individuals.

## Objective:

Automate the creation of personalized emails, increasing engagement and conversion rates with minimal manual effort.

## Core Functionality:

- **AI-Driven Content Generation:** Uses Llama 3.1 to generate personalized emails based on industry, recipient roles, and personal or company details.
- **Prompt Engineering:** Refines email tone and context to ensure high relevance and engagement with the target audience.
- **Chat App Integration:** You can build this functionality on top of the previous chat app assignment for seamless interaction.

## **Submission:**

- Build and demonstrate a working prototype of EmailGenie.
- Submit a 1-page summary of the core features and an example of the generated email.