

Automated Job Search & Cover Letter Generator (n8n + Gemini + Google Sheets + Gmail)

■ Introduction

This project is part of my **Generative AI assignment (Part 2)**, focused on showcasing how automation can streamline repetitive tasks. The idea is to reduce the repetitive tasks involved in job applications by combining **workflow automation** with **AI**.

The solution uses **n8n** as the central automation platform and integrates multiple tools:

- **SerpAPI (Google Jobs)** → fetches live job listings based on keywords and filters
- **Gemini** → evaluates job relevance, scores opportunities, and generates tailored cover letters
- **Google Sheets** → stores structured job data for easy tracking and review
- **Gmail** → sends a daily email digest of the top job matches with cover letters included

With this workflow, job seekers no longer need to manually search, copy details, or draft repetitive applications. Instead, everything is handled automatically — from finding opportunities to preparing a personalized application.

The project demonstrates the power of **low-code automation combined with AI**, making the job search process more efficient and personalized.

■ GitHub Repo Description

Automated Job Search & Cover Letter Generator using n8n, Gemini, Google Sheets, and Gmail. Finds jobs, scores them, generates AI-based cover letters, and emails daily results.

■ Suggested Topics / Tags

- n8n
- automation
- generative-ai
- gemini
- workflow-automation
- google-sheets
- gmail
- serpapi
- job-search
- cover-letter