

Infinity Void

Saksham Chhimwal, Dhiraj Borse, Tanishq Trivedi

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1 Introduction

This is the high time when the students in college look vastly for internships and jobs. We have applied to every job poster on our websites, like LinkedIn, Internshala, Unstop, and many more. But getting your resume shortlisted in the vast jungle of resumes is not child's play. The resume must be crafted in such a way that it catches the eye of the recruiter. It must include projects and achievements relevant to the job that you are applying for. Your vision must align (or at least appear to align ;) with the company's vision. If not done so, the chances of getting the resume shortlisted are reduced further.

2 Our Idea

We are building a Chrome Extension (an extension to a Web-Dev project), which will help streamline the process of automatically generating resumes curated per the job requirement and the company's vision. Our extension will help all the students and working professionals make specifically curated and well-aligned resumes based on their projects and achievements for a specific job posting. On top of that, our extension will automatically generate cover letters for the candidates so that they can dynamically and easily make cover letters that are aligned with the company's vision, and this will save a lot of hours that they spend to craft a resume that will catch the recruiter's eye.

3 Detailed Workflow

The Extension will work as follows:

- The user will log in to the Chrome Extension
- The user will be prompted to sign in using his/her GitHub account.
- The user will be prompted to select 2-3 project repositories that reflect his/her expertise.
- Our backend in the background will analyze the selected repositories and create a list of the user's skills and expertise.

- This will then be stored in our database for retrieval when the user is applying for a job.
- The user will also have an option to manually describe the projects that he has made so the AI will better understand them.
- The user can choose from the dynamic templates for his resume and cover letter.
- Once the user goes to a job posting and activates the extension, the web-scraping bot will analyze the JD and the company's vision.
- These will then be fed into the AI bot to highlight the skills needed for the job. The projects the user chose will be used for this purpose for the project's section.
- The user will be provided with the details before rendering a PDF of the AI-crafted resume that he can use for that particular job posting.

4 Tech Stack(anticipated)

This is not a hardcore AI project. We are just leveraging the AI to help us craft the resume dynamically.

4.1 Backend

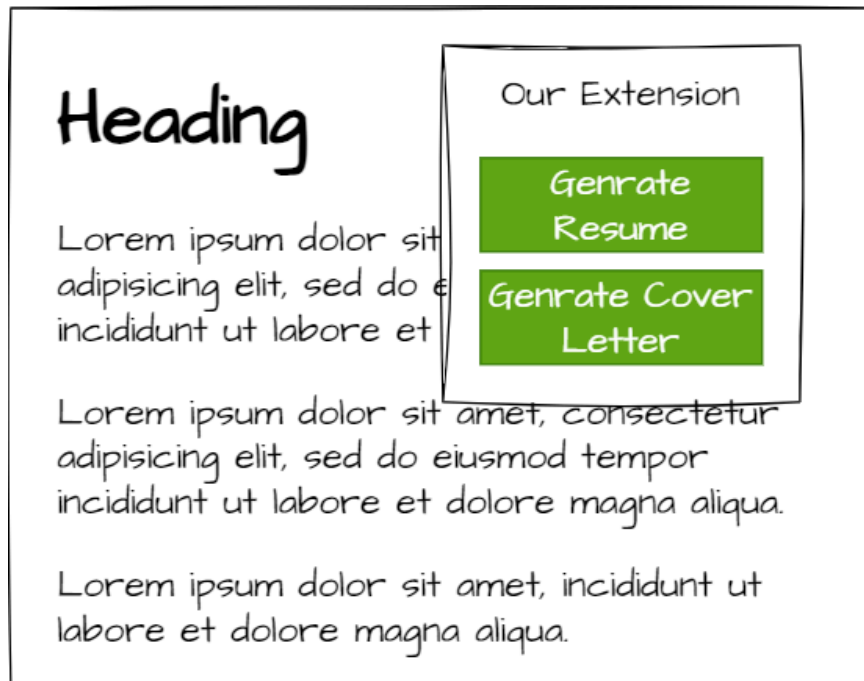
- NodeJS 
- ExpressJS
- MongoDB 
- LLM (ChatGPT or Gemini)
- Python 

4.2 FrontEnd

- ReactJS 
- HTML  , CSS  , JS 

4.3 APIs

- GitHub APIs: For user information retrieval.
- LLM APIs: For dynamic resume creation.
- Chrome Extension APIs



How the interface will look like

The User Flow

