CVFusion
Fuse your skills into the perfect resume

A web-based CV or resume builder which lets you create a resume in minutes. CVFusion is an online tool that helps job seekers create a professional and effective resume quickly and easily. It consists of a user-friendly interface that guides users through the process of selecting a resume template, entering their personal information, work experience, skills, and education.

This platform also offers suggestions for most relevant skills and achievements based on the user's profile and purpose. Along with some predefined templates, it also offers users to add their own custom templates. The built resume can be exported in a shareable format.

Functional requirements

1. Store user details
2. Store CV
3. Create CV
4. Suggest relevant skills
5. Choose template
6. Save, edit and update CV
7. Export CV

Non-Functional requirements

1. Initial questionnaire to collect job preferences
2. Authentication
3. Preview as you create
4. Suggest relevant/trendy skills
5. Export in latex
6. Scrape data from social sites (LinkedIn)
7. Create templates that others can use
8. Shareable link

Steps for creating CV:

Step 1: Sign up to create an account on the resume builder app.
N.B: If you do not want to create an account, you can still create a resume and export it but will not be saved.

Step 2: Provide basic information like whether you are a student or a professional and target like whether the intended CV is for industry or academia.

Step 3: Select from suggested preference list.

Step 4: Select from suggested templates.

Step 5: Add or remove components from templates.

Step 6: Provide section-wise information.

Step 7: Export CV in shareable format like pdf/latex.

Step 8: Save CV against your account.

Solution Description:

CVFusion is a web-based interactive platform to make your perfect resume. Our web app collects preferences of the user through a questionnaire and suggests the perfect elements that will make it to your resume. The app guides the user through an interactive procedure to populate their resume with information relevant to the job they are seeking. They can keep and update their resume and even export it in pdf, latex etc..

The app will be built with the MERN stack
- MongoDB
- Express
- ReactJS
- Node

Users will not be required to be authenticated unless he/she chooses to save their template or cv.

If the user wants to create their cv, We will prompt a questionnaire that will ask their educational or professional status, their field of work and interest. This will allow the app to know their preferences for creating suggestions.

Then the app will show them CV templates popular in their field. It will also allow the user to modify the template or create their own. This will take them to a different subsystem where they can choose different styles of components to be added to their template.

A template is basically a collection of react components. In a custom template the user can choose from an array of components to add to the page. The template db only stores the IDs of the components selected.

Users can choose to make their created template public for others to use.

Then the app will enter into an interactive session which will give a small form for each section one by one. Users can go back to any previous step they like.

The skills section suggestions will be shown according to which skills are popular in their specific domain. This information will be gathered through APIs.

A save button will be visible throughout the session for saving the current progress in the making of the cv. If the user isn't logged in, Saving will require them to login.

Once the cv is done the user can export it in PDF or Latex. As Latex is recommended for CV making, we will create a method that maps the information to latex format.

The user will also be able to generate a shareable link that links to this platform to view the CV.

If the user has saved the cv the app will store the cv that can later on be modified. The create, update will be handled by simple CRUD operations

If the user signs in with social sites such as linkedin or github prior to making the cv the app will scrape and autofill some of the information of the cv.