Elevate Labs

Internship Report

Project Title: **Smart Resume Builder with AI Suggestion**

Introduction

As part of my internship at **Elevate Labs**, I developed a project titled **Smart Resume Builder with AI Suggestion**. The goal of this project was to streamline the resume creation process by integrating intelligent suggestions tailored to job titles and required skills. With job market competition constantly increasing, having an optimized and personalized resume is crucial for job seekers. This application addresses that need through an easy-to-use interface and AI-enhanced guidance.

Objectives

- To create an interactive and responsive resume builder using modern web technologies.
- To incorporate AI functionality that recommends resume content (summary, skills, experience) based on user input.
- To allow real-time generation of a visually appealing resume for download or print.
- To help users align their resumes with specific job roles and industry expectations using AI.

System Architecture

The system is built as a **client-side web application** using HTML, CSS, and JavaScript. The architecture is divided into:

- **Input Layer**: Collects user information (name, education, experience, job title, and skills).
- **AI Suggestion Module**: Generates tailored suggestions for resume content using prompt-based logic.
- **Display Module**: Real-time rendering of the resume preview based on user input.
- **Export Functionality**: Converts the completed resume to a downloadable format (e.g., PDF)

Key Features

- **Live Resume Preview**: Automatically updates the resume as the user types.
- **AI-Powered Content Suggestions**: Based on job title and entered skills, the AI provides suggestions for summary, projects, and responsibilities.
- **Download/Export Option**: Users can download their completed resume.
- **Customizable Layout**: Allows users to adjust sections and styles (can be extended in future versions).

Technology	Purpose
HTML5	Structure of the web application
CSS3	Styling and layout
JavaScript	Logic for interactivity and suggestions
AI Prompt Logic	Used to simulate intelligent suggestions
Google Fonts	Enhanced typography
DOM API	Real-time manipulation of resume fields

Conclusion

The **Smart Resume Builder with AI Suggestion** is a practical tool aimed at simplifying resume writing while leveraging the power of AI to enhance job-seeker confidence. This project aligns with Elevate Labs' mission to empower individuals in personal and career development using intelligent digital tools. The internship offered valuable insights into building production-ready web applications with real-world impact.