Smart Resume Builder with AI Suggestions

Introduction

This project aims to build a smart, user-friendly resume builder that leverages AI to analyze and improve resumes. It enables users to create, preview, and export professional resumes easily.

Abstract

The Smart Resume Builder integrates React.js and OpenAI API to provide real-time AI suggestions for improving resume content. Users can generate professional resumes with formatting options and export them as PDFs.

Tools Used

Frontend	React.js, Tailwind CSS
Backend	Node.js, Express.js
Database	MongoDB
AI Integration	OpenAI GPT-3.5 (Free Tier)
Export	PDF Export Library

Steps Involved in Building the Project

1	Designed input fields for resume data using React forms.
2	Connected to backend for storing and formatting resumes.
3	Integrated OpenAI API for AI-based suggestions.
4	Added preview and print styling for export.
5	Implemented PDF export functionality.

Conclusion

The Smart Resume Builder demonstrates how AI can enhance personal branding tools. It provides instant, intelligent feedback and professional resume generation.