

# **Smart Resume Builder**

Internship Project Report

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## Project Overview

An AI-powered full-stack resume builder that enhances resume summaries using GPT-3.5 (OpenRouter), saves data to MongoDB, and allows exporting resumes as professional PDFs. Built with React, Tailwind CSS, Node.js, Express, and MongoDB Atlas. The project demonstrates modern full-stack development with AI integration.

## Key Features

- AI Resume Summary Improvement (via GPT-3.5 through OpenRouter)
- Create and edit resume with clean form UI
- Export resume as PDF (with professional print styling)
- Save resume to MongoDB via Express API
- Responsive Tailwind CSS UI with gradients and animations

## Tech Stack

- Frontend: React.js (CRA), Tailwind CSS, Axios, react-to-print
- Backend: Node.js, Express.js, REST API
- Database: MongoDB Atlas (Cloud)
- AI Integration: OpenRouter GPT-3.5 API

## Outcome / Learning

This project enhanced my full-stack development skills and introduced practical experience with AI integration, RESTful API design, and MongoDB. It also improved my knowledge of React component design, PDF export in web apps, and UI/UX best practices using Tailwind CSS. The project is ready to showcase on GitHub and LinkedIn as part of my portfolio.

## GitHub Repository

<https://github.com/MadhanKumar1701>