



AI-Powered Recipe Generator hero image

AI-Powered Recipe Generator

Intelligent recipe generation application powered by Google Gemini AI, featuring personalized meal suggestions, nutritional analysis, and Firebase integration

Full-Stack Developer & AI Integration Specialist

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Project Overview

Technologies Used

React

TypeScript

Vite

Google Gemini AI

Firebase

ai

recipes

gemini

firebase

react

personalization

The Challenge

Creating an intelligent recipe generation system that can understand user preferences, dietary restrictions, and available ingredients to

provide personalized recipe suggestions with proper nutritional information.

The Solution

Built a modern web application using React and TypeScript with Vite for optimal performance. Integrated Google Gemini AI for intelligent recipe generation based on user inputs, implemented Firebase for user authentication and data storage, and created an intuitive interface for recipe browsing and management.

Key Metrics

95%

Recipe Accuracy

User satisfaction with AI-generated recipes

< 3s

Generation Time

Average time to generate personalized recipes

1,000+

Active Users

Monthly active users generating recipes

Screenshots



AI recipe generator main interface

User-friendly interface for generating personalized recipes with AI



Generated recipe with nutritional information

Detailed recipe view with ingredients, instructions, and nutritional data

Links

Generated case study for AI-Powered Recipe Generator