PDFReader: Smart PDF Utility Web App

Transform how you work with documents. PDFReader helps you translate, summarize, and interact with PDFs instantly.

Ace Your Exams Even When Behind

Missed classes? No problem. PDFReader helps you catch up fast.

Quick Summaries

Get key concepts from lecture notes and textbook PDFs in seconds.

Language Translation

Understand materials in any language with one-click translation.

Smart Q&A

Ask questions about your documents and get instant answers.

Introduction

Upload

Simply drag and drop your PDF documents

Translate

Convert content to different languages instantly

Summarize

Get concise overviews of lengthy documents

Question

Ask specific questions about document content

Technologies Used

Frontend

Built with React.js for dynamic user interactions. Interface styled with Tailwind CSS for responsive design.

- Component-based architecture
- Dark mode support
- Responsive layouts

Backend

Powered by Node.js and Express. Handles file uploads and AI API communication.

- Efficient file processing
- Secure API integration
- Scalable architecture

AI Integration

Leverages Google Generative AI (Gemini). Processes text for advanced features.

- Natural language processing
- Multilingual support
- Context-aware responses

Website Features

PDF Upload

Drag-and-drop or browse to select PDF files of any size.

Smart Translation

Convert documents to multiple languages while preserving formatting.

AI Summarization

Generate concise overviews of lengthy documents in seconds.

Interactive Q&A

Ask questions about the document and receive relevant answers.

Design & Layout

Header

Logo, navigation, and dark mode toggle

PDF Upload Area

Drag-and-drop zone with action buttons
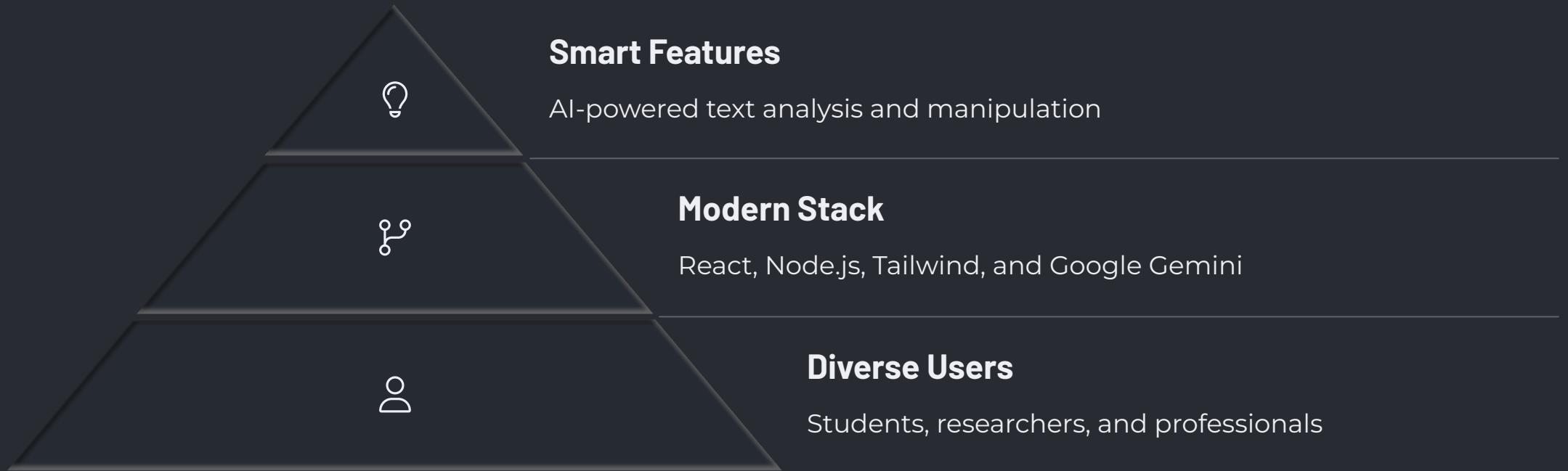
Output Display

Clean text area for AI-generated content

The interface adapts to all screen sizes. Tailwind CSS enables smooth transitions between light and dark themes.

AI Integration with Gemini

Extract
PDF text extracted using pdf-parse library

Process
Text sent to Google Gemini API

Display
Results shown in user interface

Generate
Task-specific prompt created for AI

Summary

Smart Features

AI-powered text analysis and manipulation

Modern Stack

React, Node.js, Tailwind, and Google Gemini

Diverse Users

Students, researchers, and professionals

PDFReader transforms document workflows. It combines powerful AI with a clean interface. Start boosting your productivity today.