

If you're looking for **modern JavaScript applications**, here are **8 advanced projects** that use modern JS frameworks, APIs, and best practices:

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## 1. AI-Powered Chatbot

- ◆ **Tech Stack:** React.js / Next.js, OpenAI API (or LangChain)
  - ◆ **Features:**
    - Real-time chat interface
    - AI responses using GPT API
    - User authentication (optional)
    - Save chat history in local storage or a database
  - ◆ **Extras:** Integrate **speech-to-text** using Web Speech API.
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## 2. E-Commerce Website (Full-Stack)

- ◆ **Tech Stack:** React.js (Frontend), Node.js/Express.js (Backend), MongoDB
  - ◆ **Features:**
    - User authentication (JWT)
    - Product catalog with filters
    - Shopping cart & checkout
    - Payment gateway (Stripe/PayPal)
    - Order tracking
  - ◆ **Extras:** Add an **admin dashboard** for product management.
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## 3. Social Media Dashboard

- ♦ **Tech Stack:** Next.js, Firebase (Auth + Firestore), Tailwind CSS
  - ♦ **Features:**
    - User authentication
    - Post creation & commenting
    - Like/share functionality
    - Notifications
  - ♦ **Extras:** Add **real-time updates** using Firebase Realtime Database.
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## 4. Real-Time Chat Application

- ♦ **Tech Stack:** React.js, Socket.io, Node.js, MongoDB
  - ♦ **Features:**
    - One-on-one and group chats
    - Real-time messages using WebSockets
    - Read receipts and online status
    - Chat history storage
  - ♦ **Extras:** Add **emoji support & file sharing**.
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## 5. Task Management App (Like Trello)

- ♦ **Tech Stack:** React.js, Redux, Firebase
- ♦ **Features:**
  - Drag-and-drop task management
  - Add, edit, and delete tasks
  - User authentication

- Assign tasks to users

♦ **Extras:** Add **Kanban board UI** and dark mode.

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## 6. AI-Powered Image Generator

♦ **Tech Stack:** Next.js, DALL·E API, Cloudinary (image storage)

♦ **Features:**

- User inputs a prompt
- Generates images using AI
- Download and share generated images

♦ **Extras:** Add **image variations** & fine-tuning options.

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## 7. Expense Tracker with AI Insights

♦ **Tech Stack:** React.js, Node.js, MongoDB, Chart.js

♦ **Features:**

- Track income & expenses
- AI-powered budget suggestions
- Data visualization with charts
- User authentication

♦ **Extras:** Add **OCR to scan receipts** using Tesseract.js.

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## 8. Video Streaming App (Like YouTube Lite)

♦ **Tech Stack:** React.js, Firebase, FFmpeg.js (for video processing)

♦ **Features:**

- Upload and stream videos
- Video categorization
- User profiles & subscriptions
- Comments & likes

♦ **Extras:** Add **AI-generated subtitles**.

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## What's Next?

Would you like a **detailed guide** on one of these projects? Or a **roadmap** for learning modern JS development? 🚀