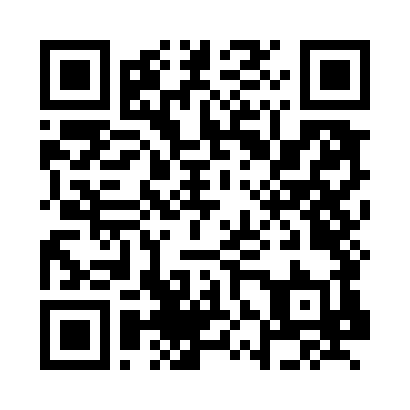
**TextGen-AI (Artificial-intelligence)**

**Just Scan To Get The Source Code****.**

**Abstract**

TextGen-AI is a full-stack MERN application that combines a modern React/Tailwind frontend with an Express/MongoDB backend to deliver an AI-powered text generation and summarization service. The system provides user authentication, contact form/email delivery, server-side summarization using Google’s Generative AI (Gemini), and an SSE streaming endpoint to deliver long or real-time model responses. Designed for interactive conversational workflows, the app emphasizes UX polish (particles, 3D globe, responsive auth pages) and pragmatic backend patterns (Mongoose models, Nodemailer, streaming abort control). TextGen-AI serves as a practical prototype for integrating cloud generative models into web platforms; recommended next steps include securing and documenting required environment variables (API keys, SMTP creds), adding tests and CI, and hardening error handling and rate-limit/usage controls before production deployment.

**What is TextGen-AI**

TextGen-AI is a web-based application that combines traditional web application features (user authentication, contact forms) with advanced AI conversational capabilities. The system provides two distinct chat interfaces:

|  |  |  |  |
| --- | --- | --- | --- |
| Chat Type | Location | Features | Limitations |
| Main Chat | /Chat/index.html | Full history, import/export, code viewing, unlimited messages | Requires authentication |
| Trial Chat | /Temp/chat.html | Basic chat functionality | Limited to 5 messages, no authentication required |

The application demonstrates modern full-stack development practices including JWT-based authentication, real-time streaming with Server-Sent Events (SSE), and responsive UI design with Tailwind CSS.

**Core Capabilities**

The system provides four primary capability groups: