# System Architecture - DSA Visualizer Platform



Main UIReact Components | AlgorithmVisualizers | AdminDashboard | AI AssistantInterface

Auth APINextAuth.js | AlgorithmAPI | AI AssistantAPI | ProgressAPI

AI Processing Service | Notification

UserDatabase(MongoDB) | SessionStore(Redis) | ProgressDatabase | AnalyticsDatabase

OpenAIGPT API | GitHubAuthentication | GoogleAnalytics | VercelDeployment

MonitoringLogs | SecurityLayer | CDNAssets