

Intelligent Youtube Analytics Platform

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Abstract: *YouTube ranks among the largest hubs for sharing videos, yet plenty of people struggle to expand their presence there. Finding down trending subjects takes ages - figuring out which terms work best, spotting shifts in viewer interests, settling on effective tags, crafting eye-catching thumbnails, while keeping tabs on others in the same space takes up hours. This project talks about a smart AI-based system called AI-Driven YouTube Analytics Software as a Service platform that helps with competitor analysis and optimizes content. This system uses artificial intelligence to create thumbnails, predict and identify trending keywords, suggest content, and gather real-time channel data. To make decision-making easier for creators, the platform combines Natural Language Processing (NLP), Computer vision and predictive analysis. The solution helps creators by providing them with data-driven insights in an intuitive interface and is hosted in the cloud and accessible through a web dashboard.*

Keywords: YouTube Analytics, Artificial Intelligence, SaaS Platform, Natural Language Processing (NLP), Computer Vision, Predictive Analytics, Trend Prediction, Content Optimization, Outlier Detection, Recommendation System, Data Visualization

