



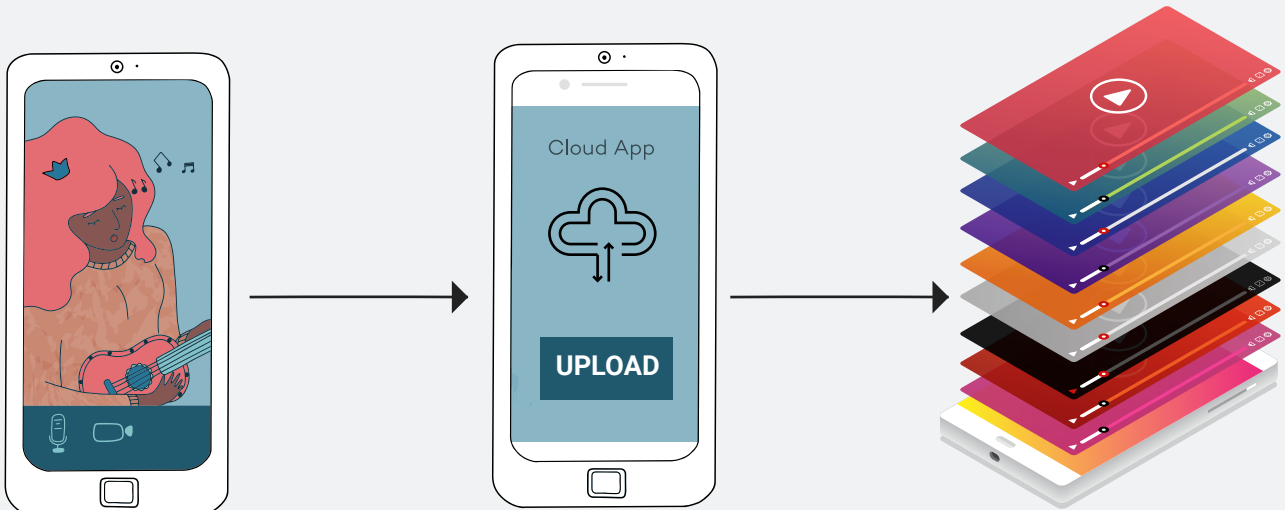
Intelligent video curation solution built using iFusion™ reduces latency and improves performance by 70%



Client Need

Client is an innovative mobile video platform that enables users to capture authentic video, automatically upload it to the cloud, and then directly integrate the content into broadcast TV, social web or in-venue screens in near real-time.

Client needed an end-to-end solution that could identify and curate relevant videos from a pool of videos based on end user engagement.





What we Did

- AI** Using iFusion™, we built an Artificial Intelligence solution for video curation using Theano platform
- Used a deep autoencoder model to extract features from every image
 - Applied grayscale autoencoder first on overall image
 - Then, applied autoencoder on patches and at varying scales of the image
- Performed curation of videos through distance and non-similarity techniques
- Applied clustering techniques for grouping similar videos
- Used transcoding technologies for storing, sharing and viewing videos and photos on higher and lower resolution
- Implemented multithreading approach for faster photo/video uploads from mobile app
- Developed scene change functionality with timelines for video along with time-lapse recording from mobile app
- Enabled integrations with payment gateway, send SMS and email notifications, social media, and geofencing providers
- Used FFMPEG Library to achieve effects like zoom, slow motion and spotlight



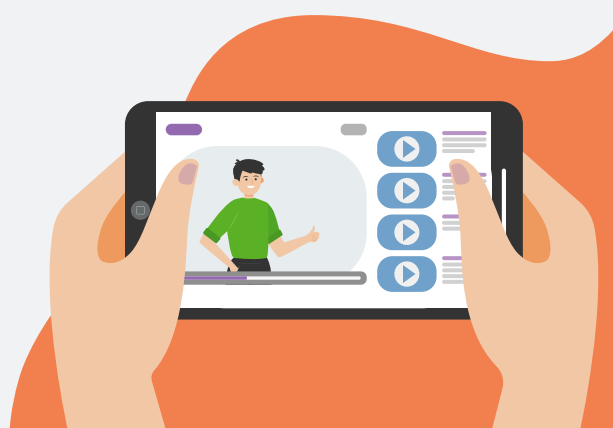
What the Client Gained

70%

Decreased latency
Achieved 70% faster video upload

12 min

Superior performance
Processed 800 images in 12 minutes on a single GPU



About Innominds

Innominds is an AI-first, platform-led digital transformation and full cycle product engineering services company headquartered in San Jose, CA. Innominds powers the Digital Next initiatives of global enterprises, software product companies, OEMs and ODMs with integrated expertise in devices and embedded engineering, software apps and product engineering, analytics and data engineering, quality engineering, and cloud and devops, security. It works with ISVs to build next-generation products, SaaSify, transform total experience, and add cognitive analytics to applications.