**PROPOSAL FOR: Ai SOLUTION IN THE MOVIE INDUSTRY**

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**Design Phase**

Write a proposal to solve a problem using an Ai solution :

* **Automating Video Editing using Ai**
  1. Increase efficiency
     + Less time editing.
     + Reduce overall production time.
  2. Lower post production cost using Ai to automate video editing
     + Less editors needed.
  3. Enhance creativity
     + New artist can emerge as the barrier to entry is removed.
     + Improvement in quality.

* **Who is having this problem?**
  1. Film Editors and Production Teams
     + High quality output expectation
     + Tight deadlines
  2. Movie Producers and Directors
     + Responsible for overall project including financial aspect.
     + Require efficiency at a reduced cost.
  3. Audience/Viewers
     + Quality affected by cost lowers audience sentiment.
     + ?
* **What is the problem?**
  1. The process of manually editing video is time consuming and labor intensive.
  2. Requires highly skilled editors to achieve professional results.
  3. Creativity is affected by fatigue of the human editor.
* **Where does the problem happen?**
  1. During the design phase in post production.
  2. ?
* **Why should the problem be solved?**
  1. Reduced cost
     + Removes a barrier to entry
  2. Increased efficiency
     + Can release more content in the same time frame.
  3. Enhance creativity
     + Artist and editor can be one
     + Less fatigue for user
  4. Increased scalability
     + Handle more work
     + Bigger projects are possible

* **Steps to provide the solution**
  1. Kind of data
     + Datasets
     + Image Datasets
  2. Where to get data
     + Kaggle.com
     + Github
* **Create a system to automate video editing and effects**
  1. Mission
     + Use Ai technology to reduce cost during post production process in the movie industry.
     + More efficient
     + More effective
  2. Goal
     + Reduce the time and financial barriers required to complete video editing and VFX.
     + Reduce editing to time by 40% by automating
     + Decrease VFX production cost by 30%