
Learn In Your Language



A Rural Education Initiative
by Pawan Bansal

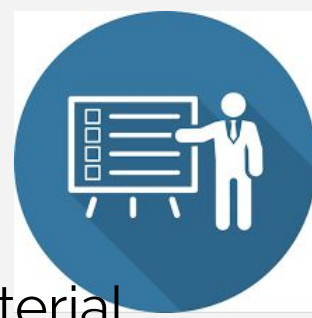
Solution Summary

Students struggle to find quality education in their local language. Our solution aim to rectify that barrier by allowing students to learn from publicly available video lectures in their local language.

The solution is a platform that provides the translated version of publicly available video lectures to anyone interested in learning.



Problem Statement



- There is a major problem of good quality education material not being available in local languages. This hurdles a lot of rural children in their growth.
- The best education resources available are in English and very few rural students knows english.
- As per the reports, rural areas of india has very less english medium schools compared to local language schools.
- It has became a barrier in education especially in India as there are more than 150 languages spoken nationwide.
- The available solutions for translating language require expertise and are not feasible for real world use.

Solution



- We aim to provide a platform to tackle the issues.
- The platform will contain the translated version of publicly available video lectures.
- This will help a lot of students to learn from the best resources without having to worry about the language.
- The students can download the video or watch it online for free.
- The platform needs maintainer just like NPTEL.

Benefits

- The students can watch videos in any web browser. That means the student can watch videos on a desktop/laptop/mobile etc.
- The best education resources are available in local language.
- The students can download the video or watch it online for free.
- The cost of translation is very less and is one time overhead for the maintainer.

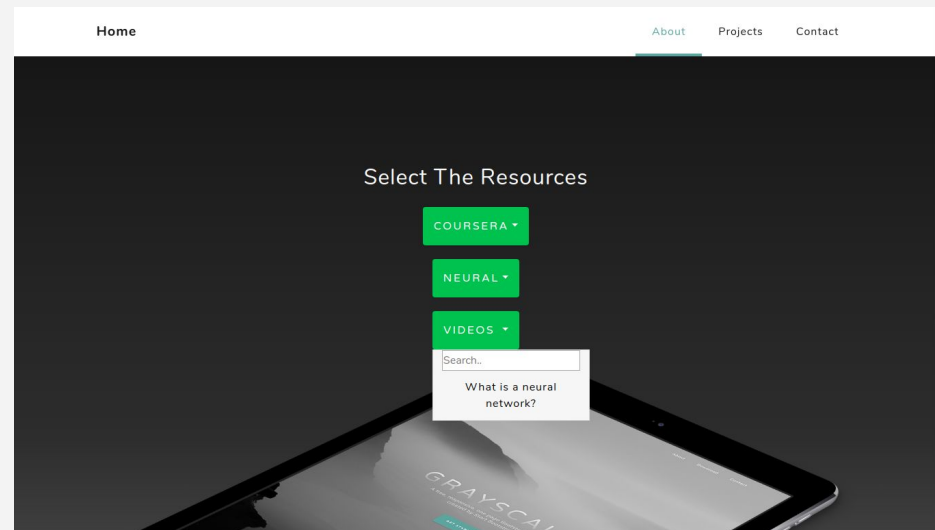
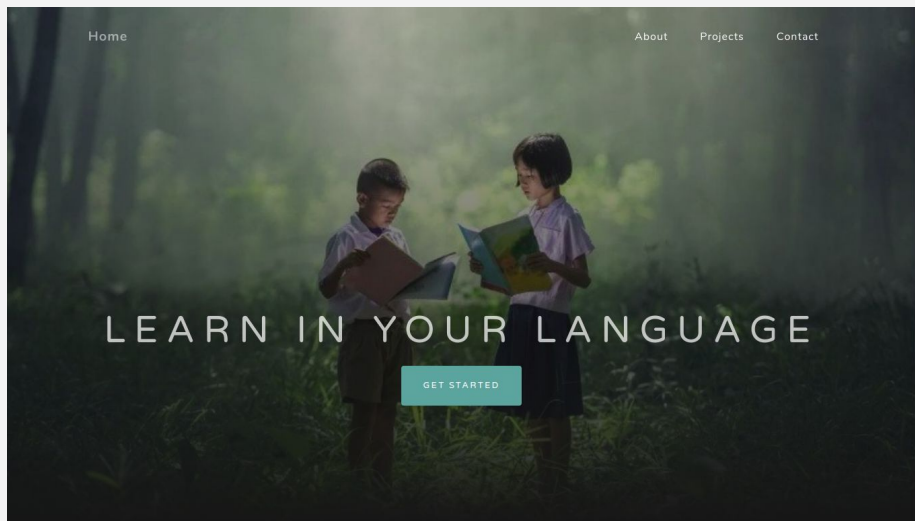


Pricing



- The costs of AWS are as follows:
 - AWS translate: \$15 per million characters
 - AWS Polly: \$4 per million characters
- A one hour video lecture consists of approx 57250 characters.
- Based on the above factors, It costs approx Rs.77 to convert a one hour video lecture into hindi language.
- The Deep Learning Specialization contains 28 hours of video lectures and will cost approx Rs.2,156 to be translated into Hindi.

Platform



Technology

Cloud Technology



Amazon Translate



Amazon Polly

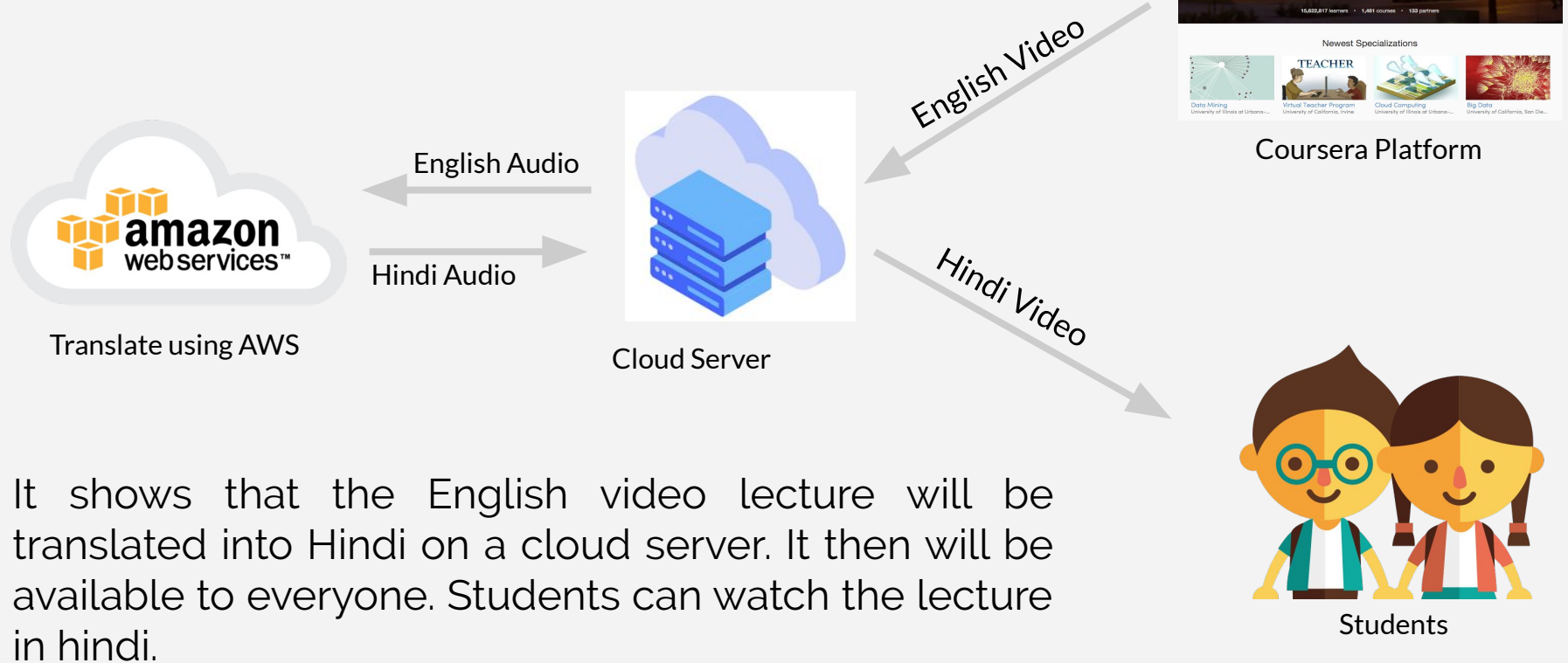
Server Technology



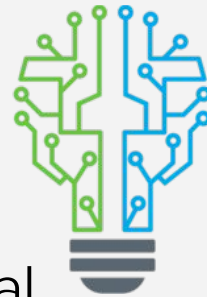
Boto 3



Example



It shows that the English video lecture will be translated into Hindi on a cloud server. It then will be available to everyone. Students can watch the lecture in hindi.



Future Scope

- Other resources like books, podcasts, etc. translated in local language can be added to the platform.
- More indian languages support for translated videos can be added as the technology advances in the future.
- Platform can be improved to be more user friendly.
- Feature to automatically add and translate a resource based on url can be added.

Thank You



Team Translators
- Pawan Bansal
