

Planned Single Page Website design for:

-Khan Academy(<https://www.khanacademy.org/>)



Khan Academy is a non-profit educational organization created in 2008 by Salman Khan with the goal of creating a set of online tools that help educate students. The organization produces short lessons in the form of videos. Its website also includes supplementary practice exercises and materials for educators.

-MIT OCW(OPEN_COURSEWARE; www.ocw.mit.edu)



MIT OpenCourseWare is an initiative of the Massachusetts Institute of Technology to publish all of the educational materials from its undergraduate- and graduate-level courses online, freely and openly available to anyone, anywhere.

-CERN HEP SOFTWARE FOUNDATION(<https://hepsoftwarefoundation.org/>)



The HEP Software Foundation facilitates cooperation and common efforts in High Energy Physics software and computing internationally.

PLANNED TECHNOLOGY STACK TO BE USED:

Content Management Platform: Siteleaf(www.siteleaf.com) + Github Pages Support

Server Details/Hosting: Site hosting support on Github Pages.

HTML5:

HTML5 is a software solution stack that defines the properties and behaviors of web page content by implementing a markup-based pattern to it. HTML5 is the fifth and current major version of HTML, and subsumes XHTML.

CSS3:

CSS3 is the latest evolution of the Cascading Style Sheets language and aims at extending CSS2.1. It brings a lot of long-awaited novelties, like rounded corners, shadows, gradients, transitions or animations, as well as new layouts like a multi-columns, flexible box or grid layouts. Experimental parts are vendor-prefixed and should either be avoided in production environments or used with extreme caution as both their syntax and semantics can change in the future.

Bootstrap-4:

Bootstrap is an open-source toolkit for developing with HTML, CSS, and JS. Quickly prototype your ideas or build your entire app with our Sass variables and mixins, responsive grid system, extensive prebuilt components, and powerful plugins built on jQuery.

jQuery 3.3.1:

jQuery is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax. It is free, open-source software using the permissive MIT License.

INNOVATIONS/PROCESS:

Firstly we plan to have background music on each of these single page websites, which we believe would be a differentiating factor from other websites, also we plan to have dynamic elements on the webpage which would change every time the user visits the website; also we are looking into techniques how to personalize the webpage for each visiting user; also planning to add a newsletter subscription option, which would run on a third-party service like Mailchimp so we can keep the interested users to keep them updated about the latest news from these organizations along with a redirect option to the foundations/organization's webpage, along with redirection to official donations website of that organization, additionally we plan to implement a message box to write a short message to the organization.

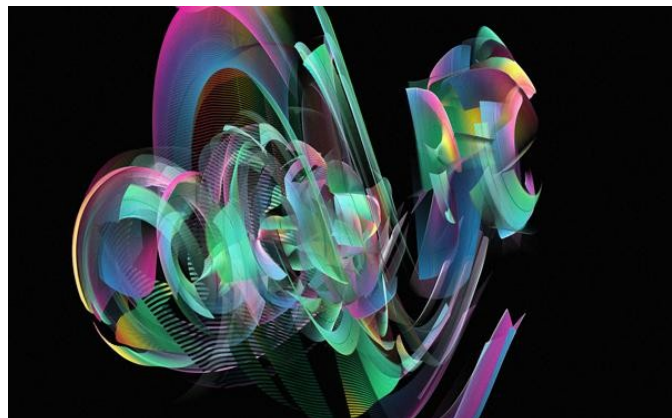
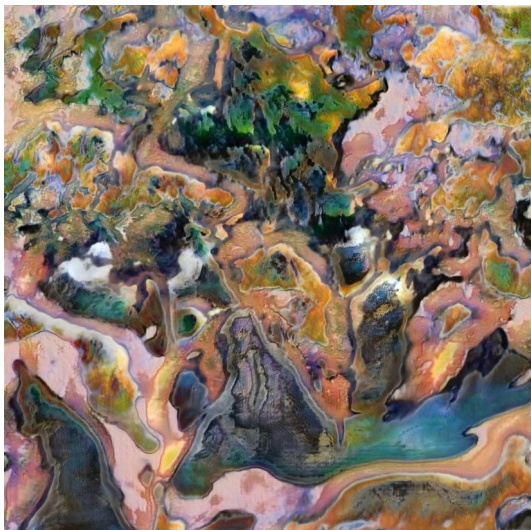
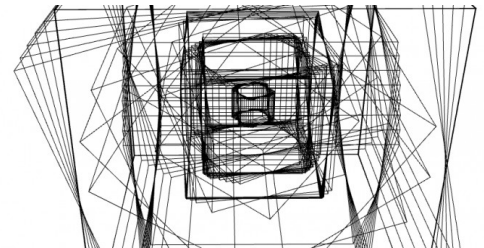
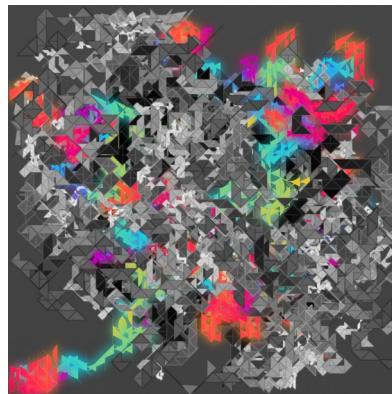
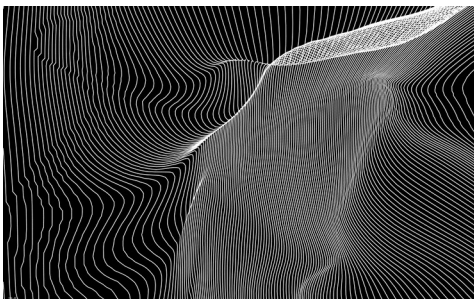
The site will be cross-platform and will be mobile-ready; additionally, to increase the outreach of our organization(s) we plan to include an assisting Alexa skill to complement the single-page website.

Our site would also include a social media feed where all the mentions about the organization as well as the official updates directly from the organization would be posted, aside from the NEWS section which would include detailed updates.

For this, we would try and implement an API service so that the site is updated with the latest information without having to manually push each update, along with social media share button to share the webpage on multiple social media platforms.

We plan to have responsive navigation at the top of our first section and in the background of the section using particle.js library. The other sections will be having parallax images in background and the switching between the sections will involve dynamic transitions.

We plan to include Generative art elements in our website this includes generative art designs(ref:<https://www.artnome.com/news/2018/8/8/why-love-generative-art>) and dynamic generative elements (ref: <http://refikanadol.com/works/melting-memories/> <http://refikanadol.com/>) to further engage the users of the website and spread the message and the WHAT these organizations stand for, the work that they are doing, what they stand for and spread awareness about the same and how one can contribute.



Our primary reason to select these organizations being that we are really passionate about them, having used it some way or other in our lives for academic or personal Development, we find this platform as a means to give back for all the value we have received from the resources from these organizations and the open contributions that they have made for the development of millions of people.

All of the above mentioned is in addition to the specifications already mentioned in the problem statement.

We truly would be happy if we could even increase the awareness of these large organizations by a small factor, a small contribution from our side.

TEAM MEMBERS:

RISHABH CHAKRABARTY(TEAM LEADER)

KARTIK GOEL