

MOT Charter student builds COVID-19 data website



Ved Tiwari, a rising sophomore at MOT Charter School, used some of his time at home during COVID-19 school building closures to build a [website](#) that provides viewers country comparison on coronavirus status by pulling information from the WHO database using API. He is the son of Sameer and Amrita Tiwari. Sameer is a data management and analytics education associate for the Delaware Department of Education.

We asked Ved to share with us a little more about the project.

How long did it take you to build the site?

The project took me about 2 ½ weeks to complete from when I first came up with the idea to the final publication of the website. I spent a few hours every day to get it done.

What was your motivation?

When quarantine first started, I noticed many people browsing hard-to-use and slow databases to search COVID statistics for their region. Personally, I found the task of scrolling through all the 200 or so countries to be a bit tedious, so I wanted to develop a tool that could help people view COVID-19 statistics of not only their country but all the other countries in the world quickly and easily. So I built the site that lays out the search results side by side and in a single view.

How do you hope the site is used? Who are you trying to help?

The main reason I made this website is to help people learn more about coronavirus cases in their country and stay informed to keep themselves from getting sick. As cases of the coronavirus (COVID-19) continue to be confirmed, my site can help people stay prepared and informed. I want the site to act as a beacon of hope for users and let them know if and when coronavirus would come to an end in their country.

Have you ever done any other web projects like this?

I have made apps in the areas of fitness and education. I have also made websites in the past but none to this extent. Pulling live data from large databases and APIs are new for me. This project was a great opportunity for me to learn web frameworks and more in-depth JavaScript logics.

What would you like to do next -- either to this site or another project?

Currently, I hope to improve the site and make it even easier for users to identify the coronavirus statistics in their country. I would like to do this by implementing machine learning and artificial intelligence into the site. My idea in the future is to have a neural network make an accurate prediction of how far a nation is from flattening the curve. I can do this by programming an artificial intelligence to learn from previous patterns of COVID cases in each country. I think that would be a very helpful feature for the community to use.

Do you know yet what career you'd like to pursue/any long-term future goals?

Because of my large interest in programming, I would like to pursue a career as a software engineer. Programming is one of my biggest passions and I would like to pursue a career in that field.

I programmed several apps in the past which helped me gain experience to finish this project. Similar to corona19stats.com, My ultimate goal while programming those apps were to help society.