

First Place: Epsilon Mask

Epsilon is a reusable face mask with over a 99 percent protection against infectious agents. It deactivates the viruses and bacteria using UVC led lights which in our masks have been proven to be harmless to the body. To ensure a cleaner and safer environment, the textile filter prevents dirt and other coarse particles from entering the breathing space of the wearer. In comparison with the traditional surgical masks and N95, Epsilon enables lip-reading making the mask inclusive and accessible. It is light and can be worn for long hours in addition to being durable with an estimated lifespan of over 5 years. Lastly, the mask is not only built for the safety of the wearer but also for those around them; the mask filters exhaled breath making it close impossible to infect other patients or health care workers since the mask cleanses the inhaled and the exhaled breath.

Second Place: PreCon (Prevent Contagious)

With this AR application, you can simulate the event in daily life, what should you do and shouldn't. So people can learn and remember what exactly action should be taken when it comes to prevent contagious of COVID-19. And more importantly, Using AR for training simulation is the one of many ways to do a safe simulation, without being infected from the virus. It can helps other people for keep their self healthy from viruses based on their reaction.

Third Place: Go tour VR

This WebVR will create an infinite world where you can travel to any listed tourism objects as much as you can with a more engaging way to interact, more interesting, and more realistic but virtually experience.

Health and Fitness: Covid Analyst

COVID Analyst uses machine learning and spatial data analytics with a combination of reliable data sources and research publications to give you an address-level risk heatmap of COVID-19 in your area. In addition, it scrapes credible news outlets to give you a feed of news in your area and an AI-powered chatbot will answer any questions you may have about COVID-19.

Work and Economy: Spark

Spark has a lot of features like: Calendar, Tasks, Team Administration, Project Tracking, Messages, Meetings and Zoom Integration, Discussion Board. Spark is meant to be a cumulative productivity app that puts all the apps you need into on. With Spark you can assist teams and organizations by improving productivity and tracking the progress of projects. Also you can have highlights team collaboration with SparkRooms to coordinate team members

Empowerment and Education: Ace

Ace is an E-learning application that allows students to enjoy their academics from a different point of view. The interactive interface of the augmented reality helps student to quench their curiosity level, achieve-high level of learning passion and inspiration in students. Thus, it also improves imagination and helps in gaining the student's attention. It also includes a journal so that they can pen down their understanding of the chapters. The most interesting part of our app is that it uses a recommendation system to suggest activities to students according to their selected interest.

Music and Entertainment: VR concerts powered by AI

Artists upload videos to the platform and define when a certain concert should go live. Social media sharing allows the artist to share concerts with viewers. Viewers can join and watch concerts via web, mobile or in Virtual Reality. When video is uploaded to the platform, it is processed by Azure Video Indexer - a powerful

AI tool that automatically extracts advanced metadata from the video. With extracted data we are able to enhance your viewing experience.

Travel and Mobility: Go tour VR

This WebVR will create an infinite world where you can travel to any listed tourism objects as much as you can with a more engaging way to interact, more interesting, and more realistic but virtually experience.

Finance and Digital Money: Stay Safe Donate Safe

Stay Safe Donate Safe is a blockchain-based transparent charity web app to ensure people do not get cheated as there is transparency in each and every step. By minimizing administrative costs through automation, providing more accountability through traceable giving milestones, and allowing donors to see more clearly where their funds are going, blockchain may help restore some of the lost credibility to charities that prove worthy of the public's trust.

Environment and Sustainability: Framble

Framble is the world's first E-Paper picture frame, and it was designed to transform your social media addiction into a daily inspiration source based on your own memories in form of an interactive home decoration tool. Framble has WiFi, Bluetooth and a battery, by which the frame can run up to six weeks with a single charge. The frame is fully handcrafted of eco-friendly recycled wood, which makes it even more special. When we started working on Framble, we decided to create the best digital picture frame there is to inspire people's everyday life through their own memories and help them understand the importance of the present moment.

Solidarity and the Elderly: Alz.vision

A lz.vision , provides doctors with data on users to help them better diagnose Alzheimer's. The user can upload photos and videos to the application. For each photo and video, the user will write a one-sentence description of the event portrayed. The user will also be prompted to later (after days, weeks, months, or even years) re-write the description. Our algorithm will rate (from 0-1) the description to how similar the new sentence is to the original sentence. Each of these scores are plotted on a time (number of days) x accuracy graph. With each memory, a linear or non-linear regression is performed (based on which produces the biggest R^2). The weights are then extracted (slope, y-intercept, and other factors) and an Isolation Forest outlier detection is performed. In the end, the algorithm will provides graphs and visual aids to show a user's memory decline. In addition, it will search for any potential outliers in their memory loss and common keywords associated with those outliers.