

My idea for the project is an AI powered weather safety website to help predict snowstorms and avalanche danger for all sorts of riders, hikers, and mountain communities. The website would use models to analyze weather data, satellite imagery, terrain maps, records of avalanches, and sensor inputs to forecast snow accumulation, it would also classify avalanche risk levels, and estimate avalanche type and severity. AI would continue to learn from new storm patterns to improve prediction accuracy and send warnings and alerts based on the user's GPS location or route. A built in chatbot could answer any sort of safety question.