An earthquake prediction tool.

My form of technology is implementing a prediction model to try to predict the magnitude of a potential earthquake. Combined with this magnitude, a probability will be calculated of an earthquake with this magnitude. This probability will be calculated with the Gutenberg & Richter Law. The end goal is giving the users insights on the probability of an earthquake happening in their local area.

The magnitude and probability will be shown in an application tool, that would be downloadable in the app store and that would be reachable on every government website on every country on the earth. In order to let anyone use this application, the goal is to let the application work without any internet connection.

Not only the magnitude and probability will be shown on this application. The end-users will also get tips on how to keep themselves save from an

earthquake. These tips correlate to the probability and magnitude given. A high probability and magnitude will result in more urgent tips. The users will also get insights in earthquakes that happened in the past with a map visualization and a dataset visualization containing the past earthquakes in that region.

This technology will not prevent earthquakes from happening. Its main goal is to try to keep people safe during and after an earthquake. It also helps the users in implementing preventative measures beforehand in order to keep themselves save during an earthquake.

Created by: Mohamed.dira
Created on: March 23, 2023 10:21 AM
Changed on: March 23, 2023 10:24 AM

Context of use: Other
Level of education: Bachelor

Impact on society

What impact is expected from your technology?

This category has not been filled yet.

Hateful and criminal actors

What can bad actors do with your technology?

This category has not been filled yet.

Privacy

Are you considering the privacy & personal data of the users of your technology?

This category has not been filled yet.

Human values

How does the technology affect your human values?

This category has not been filled yet.

Stakeholders

Have you considered all stakeholders?

This category has not been filled yet.

Data

Is data in your technology properly used?

This category has not been filled yet.

Inclusivity

Is your technology fair for everyone?

This category has not been filled yet.

Transparency

Are you transparent about how your technology works?

This category has not been filled yet.

Sustainability

Is your technology environmentally sustainable?

This category has not been filled yet.

Future

Did you consider future impact?

This category has not been filled yet.