

Suraksha

The women safety
App



Team: Hack101

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What Suraksha Does?

- Provides live tracking of user to her family members.
- It raises an automatic alarm whenever some women is in a dangerous situation. This is done by applying machine learning techniques on the live audio recording of user.
- Immediately an emergency call is made to the police and family members of the user with her live location.

- Clubs together women with same source and destination to provide collective travelling and increase their safety.
- Social Workers/NGO workers are informed about any incident nearby.
- Gives self defense training and tells about women safety workshops nearby.

Plan of Action

STAGE 1

- Here we create a strong recognition algorithm for all types of crime against women.
- Then we identify all social activists in areas with high crime rate.

STAGE 2

- Next we start building app with all the features and complete its implementation.
- We keep taking user feedback and crime data to update our safe routes.

STAGE 3

- This is the future prospect of app where we use IMEI battery to send an emergency message even if phone is switched off.

Tech Stack



- Python
 - PyTorch
 - Data Processing
 - Pandas
 - Matplotlib
 - Deep Learning
 - NLP
 - LSTM
- ANDROID STUDIO
 - JAVA
 - NODEJS
 - EXPRESS
 - MONGODB



THANK YOU