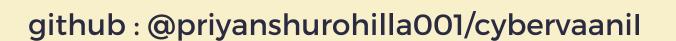# JOSH SPONSERED PROBLEM STATEMENT

Team CyberVeer

Overview

💡 for dataset have a look at our git

SCAM AWARENESS MODULE

CURATED DATASET

MULTI-PLATFORM APP

LOCAL LANGUAGE SUPPORT

CALL SAFETY TIPS

Tech Stack

Frontend

Expo React Native using Fabric Architecture

socket.io

TS

Backend

socket.io express node

Google Translate Google Speech to Text

Main

python

Hugging Face

ML model

Frontend

Receives Call

Call Audio Sent to
Backend in Chunks →

Backend

Google Speech to Text → Google Translate

↑ python ← translated text sent to python backed

scam detected ↓

Scam alert system activated

will give suggestions of action that you should take during the call and after the call

WORKING

Frontend

alert given by assistant character (cyberNaari) in regional language

← suggestions sent to frontend using socket.io

Impact

Our AI detects scams in real time, alerting users via CyberNaari with scam risk, category, and safety tips. The Learn Module educates users, while feedback refines detection for better accuracy.

INSTANTLY ANALYZES CALLS FOR FRAUD

NOTIFIES USERS OF POTENTIAL SCAMS WITH CATEGORY & PROBABILITY.

PROVIDES STEPS TO TAKE BEFORE, DURING, AND AFTER CALLS.

GUIDES USERS DURING CALLS WITH SCAM INSIGHTS

EDUCATES ABOUT COMMON SCAM PATTERNS

APP UI

Screen 1

Suraksha वाणी

App Settings

Language Preferences
Select your preferred app language

| English | हिंदी | தமிழ் |
| English | Hindi | Tamil |

| తెలుగు | ಕನ್ನಡ |
| Telugu | Kannada |

| മലയാളം | मराठी |
| Malayalam | Marathi |

| ગુજરાતી | ਪੰਜਾਬੀ |
| Gujarati | Punjabi |

Strict Mode
Enable additional security checks and validations

Home   Logs   Learn   Settings

Screen 2

Suraksha वाणी

Live Audio Stream

Ready to start recording

Start Call

Stop Call

Home   Logs   Learn   Settings

Screen 3

Suraksha वाणी

Scam Call Awareness

A comprehensive guide to identifying and avoiding scam calls targeting Indian citizens.

Reset Progress

Lesson 1
Introduction to Scam Calls in India

Lesson 2
Government Impersonation Scams: The Authority Card

Lesson 3
Remote Access Scams: The 'Helpful' Hacker

Lesson 4

Home   Logs   Learn   Settings

Screen 4

Suraksha वाणी

App Settings

Language Preferences
Select your preferred app language

| English | हिंदी | தமிழ் |
| English | Hindi | Tamil |

| తెలుగు | ಕನ್ನಡ |
| Telugu | Kannada |

| മലയാളം | मराठी |
| Malayalam | Marathi |

| ગુજરાતી | ਪੰਜਾਬੀ |
| Gujarati | Punjabi |

Strict Mode
Enable additional security checks and validations

Home   Learn   Settings

Screen 5

Suraksha वाणी

Duration: 0m 3s

Category: Tech Support Scam

Probability: N/A

After Call Suggestion: No suggestion available

During Call Suggestion: No suggestion available

9623778
Start: 09:33:19
End: 09:33:51
Duration: 0m 31s

8431270
Start: 09:35:20
End: 09:35:36
Duration: 0m 16s

Home   Logs   Learn   Settings