Anti-Harassment Shield - Al-Powered Legal Protection

A comprehensive anti-street harassment platform that combines voice recording, AI-powered analysis, and Australian NSW law guidance to help victims document incidents and understand their legal rights.

Project Overview

Anti-Harassment Shield is an innovative web application designed to combat street harassment through technology and legal education. Built with cutting-edge Al analysis and comprehensive NSW law integration, it empowers victims to document incidents, understand their legal rights, and take appropriate action.

A Key Features

Voice Recording & Documentation

- Real-time Audio Recording: Capture harassment incidents as they happen
- Incident Details: Document date, location, and detailed descriptions
- Audio Playback: Review recordings for accuracy and completeness
- Secure Storage: Local storage of incident reports and audio files

AI-Powered Analysis

- Harassment Detection: Advanced Al analysis of incident descriptions
- Severity Assessment: Automatic classification of harassment types and severity
- Keyword Identification: Detection of offensive language and threatening content
- Confidence Scoring: Al confidence levels for analysis accuracy

NSW Legal Framework

- Comprehensive Law Coverage: Crimes Act 1900, Anti-Discrimination Act 1977, Summary Offences Act 1988
- Legal Definitions: Clear explanations of harassment types under NSW law
- Punishment Guidelines: Potential legal consequences and penalties
- **Resource Links**: Direct access to official NSW legal resources

Protection & Empowerment

- Incident Reporting: Structured documentation for legal proceedings
- Legal Guidance: Step-by-step advice on next steps
- Resource Directory: Links to legal aid, police, and support services
- Educational Content: Understanding your rights and legal protections

Architecture & Technology

Frontend Framework

- Next.js 14: Modern React framework with App Router
- **TypeScript**: Type-safe development and better code quality
- Tailwind CSS: Utility-first CSS framework for responsive design
- Lucide React: Beautiful, consistent icon library

Al Integration

- Ollama Integration: Local AI model processing for privacy
- Llama2 Model: Advanced language model for harassment analysis
- Fallback Systems: Keyword-based analysis when AI is unavailable
- Real-time Processing: Instant analysis and feedback

Audio Processing

- MediaRecorder API: Browser-based audio recording
- Blob Storage: Efficient audio file handling
- Playback Controls: Full audio review capabilities
- Format Support: WAV format for compatibility

User Interface

Three-Column Layout

- 1. Record Incident: Voice recording with incident details
- 2. Al Analysis: Real-time harassment detection and analysis
- 3. **Legal Guidance**: NSW law information and legal resources

Responsive Design

- Mobile-First: Optimized for smartphone use during incidents
- Accessibility: High contrast and clear typography
- Intuitive Navigation: Easy-to-use interface in stressful situations
- Dark Theme: Professional appearance with red-to-purple gradient

S Getting Started

Prerequisites

- Node.js 18+ and npm
- Ollama with Llama2 model installed
- Modern web browser with microphone support

Installation

1. Navigate to the nextjs-app directory:

cd nextjs-app

2. Install dependencies:

npm install

3. Start Ollama with Llama2 model:

ollama run llama2

4. Run the development server:

npm run dev

5. Open http://localhost:3000 in your browser

Usage Guide

Recording an Incident

- 1. Fill Details: Enter date, location, and incident description
- 2. Start Recording: Click "Start Recording" and describe what happened
- 3. Stop Recording: End recording when finished
- 4. Save Report: Click "Save Incident Report" to store the incident

Al Analysis

- 1. Input Text: Paste incident description or transcribed audio
- 2. Analyze: Click "Analyze Incident" for Al-powered detection
- 3. Review Results: Check harassment type, severity, and confidence
- 4. Understand Implications: Review legal implications and recommendations

Legal Guidance

- 1. **Select Type**: Choose harassment type from dropdown
- 2. Review Law: Read relevant NSW legislation and definitions
- 3. Check Penalties: Understand potential legal consequences
- 4. Access Resources: Use provided links for further assistance

Legal Framework

NSW Laws Covered

- Crimes Act 1900: Criminal offenses and penalties
- Anti-Discrimination Act 1977: Discrimination and harassment
- Summary Offences Act 1988: Minor offenses and public order
- Common Law: Precedent-based legal principles

Harassment Types

- Verbal Harassment: Offensive language and slurs
- Sexual Harassment: Unwelcome sexual advances and comments
- **Stalking**: Following and unwanted surveillance
- Intimidation: Threatening behavior and gestures

Legal Consequences

- Fines: Up to \$5,500 for various offenses
- Imprisonment: Up to 5 years for serious harassment
- **Compensation**: Up to \$100,000 for discrimination cases
- Restraining Orders: Court-ordered protection measures

Privacy & Security

Data Protection

- Local Storage: All data stored locally in your browser
- No Cloud Uploads: Audio and incident data never leaves your device
- Secure Recording: Direct microphone access without external services
- User Control: Complete control over your incident reports

Legal Compliance

- NSW Law Adherence: Built around Australian legal framework
- Evidence Standards: Documentation suitable for legal proceedings
- **Professional Use**: Designed for law enforcement and legal professionals
- Educational Purpose: Information provided for educational use only

Mathematical Services 2 Development & Customization

Project Structure

```
nextjs-app/
- app/
  — api/
    └─ analyze-harassment/ # AI harassment analysis
   — components/
      ├─ voice-recorder.tsx  # Audio recording component

  incident-analyzer.tsx # AI analysis interface

     └─ legal-guidance.tsx # Legal information display
   globals.css
                              # Global styles and theme
    layout.tsx
                               # Root layout component
    page.tsx
                               # Main application page
                                # Dependencies and scripts
package.json
tsconfig.json
                               # TypeScript configuration
```

Customization Options

• Legal Framework: Adapt for other Australian states or countries

• Al Models: Integrate different Al services or models

• UI Theme: Customize colors, layout, and branding

• Features: Add incident tracking, reporting, or community features

Legal Resources

Official NSW Resources

NSW Legislation Database

Legal Aid NSW

Anti-Discrimination NSW

Emergency Contacts

• Police: 000 (Emergency) / 131 444 (Non-emergency)

• Crime Stoppers: 1800 333 000

• 1800RESPECT: 1800 737 732 (Domestic violence support)

M Important Disclaimers

Legal Advice

This platform provides educational information only and does not constitute legal advice. For specific legal guidance, consult with a qualified legal professional.

Emergency Situations

In case of immediate danger or emergency, contact the police immediately by calling 000.

Evidence Standards

While this platform helps document incidents, the admissibility of evidence in legal proceedings depends on various factors. Consult with legal professionals for guidance.

* Future Enhancements

Planned Features

- Community Reporting: Anonymous incident mapping
- Legal Document Generation: Automated report creation
- Mobile App: Native iOS and Android applications
- Multi-language Support: Support for diverse communities
- Integration APIs: Connect with law enforcement systems

Al Improvements

- Multi-language Analysis: Support for various languages
- **Context Understanding**: Better situational awareness
- Pattern Recognition: Identify repeat offenders

• **Risk Assessment**: Predictive analysis of dangerous situations