

Project Report

Title of Project: AI Women Safety Awareness Bot

Name of the Innovator: Chandana G

Start Date: 10-11-2025

End Date: 14-11-2025

Day 1: Empathise & Define

Step 1: Understanding the Need

- Which problem am I trying to solve?

I am solving the problem of limited access to women's safety information, legal rights, and emergency support. Many women are unaware of protection laws or government schemes and often hesitate to seek help during emergencies. The **AI Women Safety Awareness Bot** empowers users with instant safety guidance, verified helplines, and awareness resources in multiple languages through an easy-to-use AI assistant.

Step 2: What is the problem?

Women's safety remains a serious concern due to lack of awareness, hesitation to report incidents, and inadequate access to reliable resources. Many victims or at-risk individuals don't know where to get legal or emotional support in time.

Why is this problem important to solve?

Ensuring women's safety is crucial for an equal and empowered society. Through an AI-based awareness and support platform, we can educate, assist, and protect women by making information and help instantly accessible.

Take-home task

Ask 2-3 people what they think about the project:

- **Student :** “It’s very helpful for learning about rights and what to do in emergencies.”
- **Teacher :** “An app like this can create awareness among young women and promote confidence.”
- **Parent :** “If this bot gives helpline numbers and safety updates, it will be very useful for families.”

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AI Tools you can use for Step 1 and 2:

AI Tools Used:

1. Meta MGX

- Used as a no-code development tool to design and deploy the *CareerPath* app.
- It helps create interactive workflows, user interfaces, and logic without programming.
- Ideal for building features like user registration, location-based data, and skill modules.

2. ChatGPT

- Used for idea generation, content structuring, and chatbot conversation design.
- Helped in framing the AI-powered virtual assistant's responses for guiding students.
- Also useful for generating career recommendations, FAQs, and improving user interaction flow.

3. Chatbot References (Structure Design):

To design the AI virtual assistant, you can take reference from:

- Google Dialogflow – for understanding intent detection and response flow.
- IBM Watson Assistant – for creating structured Q&A and personalized career guidance.
- Microsoft Bot Framework – for understanding conversation trees and user profile integration.

Day 2: Ideate

Step 3: Brainstorming solutions

- List at least 5 different solutions (wild or realistic):

- **AI Chatbot for Women's Safety and Legal Rights**

A conversational AI assistant that answers questions about women's protection laws, rights, and self-defense tips in multiple languages. It acts as a 24×7 awareness guide for users.

- **Emergency SOS and Location Sharing App**

A mobile-based system that allows users to trigger an SOS alert with one click and share their real-time location with trusted contacts or authorities.

- **Awareness Portal with Articles and Government Schemes**

A centralized digital space where users can access verified articles, videos, and details of welfare schemes that support women's safety and empowerment.

- **Community Forum for Women Support and Discussion**

A secure online forum where women can anonymously share their experiences, seek advice, and build mutual support networks.

- **Integrated AI Women Safety Awareness Platform**

A complete application that combines AI chatbot guidance, emergency assistance,

educational content, and community engagement to promote safety and awareness holistically.

Step 4: My favourite solution:

*My favourite solution is the **AI Women Safety Awareness Bot**, an integrated digital platform that combines AI guidance, emergency tools, and learning resources to promote safety awareness and empowerment.*

Step 5: Why am I choosing this solution?

This solution brings together awareness, assistance, and technology on one platform. It ensures privacy, real-time help, and multilingual accessibility — making it practical, inclusive, and impactful for users of all backgrounds.

AI Tools you can use for Step 3-5:

AI Tools for Step 3–5

IBM SkillsBuild / Meta MGX

- Used to design and prototype the chatbot interface and user workflows without any coding.
- Helps integrate features like chat flow, emergency buttons, and content management modules visually.

ChatGPT

- Generates question–answer pairs, conversation flow, and awareness content for the AI chatbot.
- Assists in creating multilingual responses, safety FAQs, and personalized message templates.

Figma AI / Canva AI

- Used to design clean, user-friendly interface layouts, posters, and awareness infographics.
- Helps visualize the chatbot dashboard and improve accessibility with simple visual designs.

AI Tools you can use for the take-home task:

Canva AI/CoPilot AI/Meta AI: Use these mobile-based tools to generate images for the solution they want to design

Day 3: Prototype & Test

Step 6: Prototype – Building my first version

What will my solution look like?

- **Home Screen:** Welcomes user and explains app purpose.
- **Interactive Chatbot:** Answers safety, legal, and rights-related queries in multiple languages.
- **Emergency Assistance Section:** One-click SOS button with Google Maps API location sharing and quick helpline access.

- **Awareness Hub:** Articles, videos, and infographics on women's safety and government schemes.
- **Community Forum:** Safe space for users to share experiences anonymously.
- **User Dashboard:** Displays safety learning progress and reminders.
- **Admin Panel:** Allows NGOs or moderators to update content and review user feedback.

Design Style:

Professional yet comforting — pink, purple, and blue tones with accessible icons.

Prototype Tools:

IBM SkillsBuild no-code builder, ChatGPT for AI logic, and Canva AI for interface design.

What AI tools will I need to build this?

AI Tools Needed to Build CareerPath

1. Meta MGX

- No-code platform to **design and deploy the app**.
- Allows building **interactive screens, chat interfaces, and skill modules** without coding.

2. ChatGPT (or similar LLMs)

- To **generate content, conversation flows, and generate responses**.
- Can help **personalize recommendations** for users based on their profile.

3. AI Chatbot Design References

- **Google Dialogflow / IBM Watson Assistant / Microsoft Bot Framework**
- To **structure conversation logic** and handle user queries effectively.

4. AI Data Analysis Tools (*Optional for insights*)

- **Python AI libraries (Pandas, Scikit-learn) or AI analytics platforms**
- To analyze user interactions and improve recommendations over time.

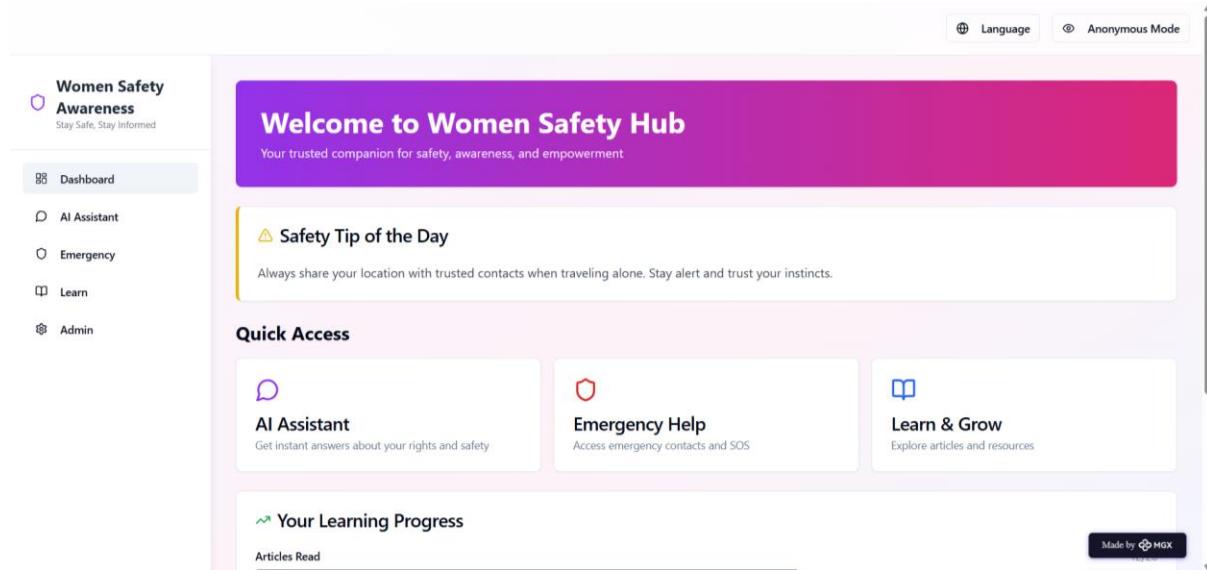
What AI tools I finally selected to build this solution?

- 1. Chat GPT**
- 2. Metamgx**

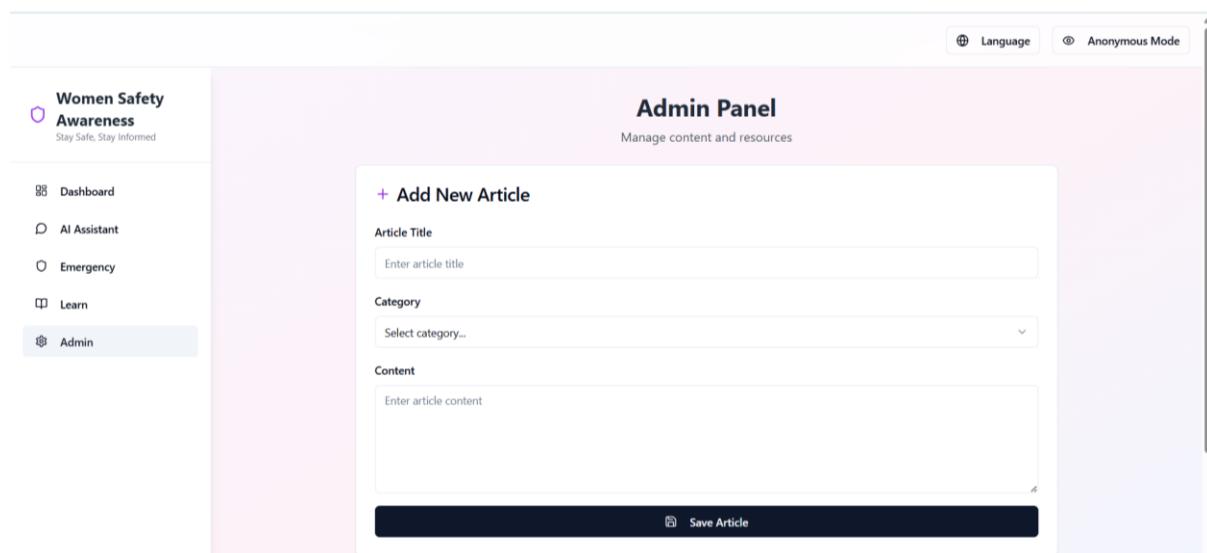
< Build The Innovation>

<DASHBOAD OF THE TOOL>

Tool Link: <https://mgx-jvl82jzgmil.mgx.world>



The screenshot shows the homepage of the Women Safety Hub. At the top right are 'Language' and 'Anonymous Mode' buttons. The header 'Welcome to Women Safety Hub' is followed by a sub-header 'Your trusted companion for safety, awareness, and empowerment'. Below this is a 'Safety Tip of the Day' section with the text: 'Always share your location with trusted contacts when traveling alone. Stay alert and trust your instincts.' A 'Quick Access' section contains three cards: 'AI Assistant' (Get instant answers about your rights and safety), 'Emergency Help' (Access emergency contacts and SOS), and 'Learn & Grow' (Explore articles and resources). A 'Your Learning Progress' section shows 'Articles Read' with a progress bar. The footer includes a 'Made by MGX' logo.



The screenshot shows the Admin Panel. At the top right are 'Language' and 'Anonymous Mode' buttons. The header 'Admin Panel' is followed by a sub-header 'Manage content and resources'. A central form titled '+ Add New Article' has fields for 'Article Title' (with a placeholder 'Enter article title'), 'Category' (with a placeholder 'Select category...'), and 'Content' (with a placeholder 'Enter article content'). At the bottom is a large 'Save Article' button.

Women Safety Awareness Stay Safe, Stay Informed

- Dashboard
- AI Assistant
- Emergency
- Learn
- Admin

AI Safety Assistant Ask me anything about women's safety, rights, and protection

Hello! I'm here to help you with information about women's safety, legal rights, and protection. How can I assist you today?

10:19 PM

Type your question here...

Send

ಮಹಿಳಾ ಸುರಕ್ಷತಾ ಜಾಗ್ತಿ Stay Safe, Stay Informed

- AI ಸಹಾಯಕ
- ಹೃದಯ
- ಕರೆಯಿರಿ
- ನಿರ್ವಹಣೆ

ಮಹಿಳಾ ಸುರಕ್ಷತಾ ಕೇಂದ್ರಕ್ಕೆ ಸಾಗುತ್ತದೆ

ಸುರಕ್ಷತೆ, ಜಾಗ್ತಿ ಮತ್ತು ಸಾರ್ಥಕತೆಗೆ ನಿಮ್ಮ ವಿಶ್ಲೇಷಣೆ ಸಹಜ ಹಾಗೂ ಸಾರ್ಥಕ ಮತ್ತು ಪ್ರಾಣಿಕರೆಗೆ ಸಾಧ್ಯತೆಯನ್ನು ನಿರ್ದಿಷ್ಟಿಸುತ್ತದೆ.

ಇಂದಿನ ಸುರಕ್ಷತಾ ಸಲಹೆ

ಹಾಕಬಾರಿಯಾಗಿ ಪ್ರಯೋಜಿಸುವಾಗ ಯಾವಾಗಲೂ ವಿಶ್ಲೇಷಣೆ ಸಂಪರ್ಕಗಳೊಂದಿಗೆ ನಿಮ್ಮ ಸುರಕ್ಷತೆಯನ್ನು ತಂಡಿಸಿಕೊಳ್ಳಿ. ಎಚ್ಚರದಿಂದಿರಿ ಮತ್ತು ನಿಮ್ಮ ಪ್ರಮುಖ ಶಿಕ್ಷಣ ಸಂಪನ್ಮೂಲತೆಯನ್ನು ನಿರ್ದಿಷ್ಟಿಸುತ್ತದೆ.

ತ್ವರಿತ ಪ್ರವೇಶ

AI ಸಹಾಯಕ
ನಿಮ್ಮ ಜಾಗ್ತಿ ಮತ್ತು ಸುರಕ್ಷತೆಯ ಬಗ್ಗೆ ತತ್ವಜ್ಞಾನ ಮತ್ತು ವಿಶ್ಲೇಷಣೆ ಪಡೆಯಿಲ್ಲ.

ತುರ್ತು ಸಹಾಯ
ತುರ್ತು ಸಂಪರ್ಕಗಳು ಮತ್ತು SOS ಫ್ರೆಂಡ್ಸ್.

ಕಲೆಯಿರಿ ಮತ್ತು ಬೆಳೆಯಿರಿ
ಕಲೆಯಾಗಿ ಮತ್ತು ಸಂಪರ್ಕಗಳನ್ನು ಅನ್ವಯಿಸಿ.

ನಿಮ್ಮ ಕಲೆಯ ಪ್ರಗತಿ

Women Safety Awareness Stay Safe, Stay Informed

- Dashboard
- AI Assistant
- Emergency
- Learn
- Admin

Awareness & Learning Hub

Explore resources to empower yourself with knowledge

Search articles...

All Legal Rights Self Defense Government Schemes Workplace Safety Digital Safety

Legal Rights 2024-01-15

Understanding Your Legal Rights

Every woman in India has fundamental rights protected by the Constitution. These include the right to equality, right against discrimination, right to life and personal liberty, and protection of hono...

Read More

Self Defense 2024-01-20

Self-Defense Techniques Every Woman Should Know

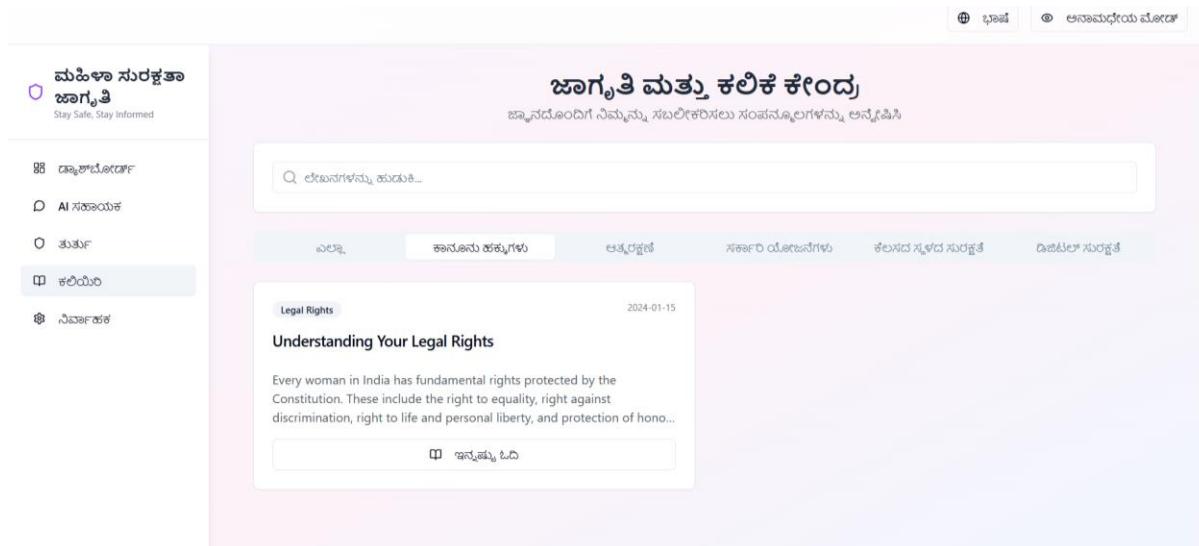
Learning basic self-defense can boost confidence and provide practical skills for personal safety. Key techniques include awareness of surroundings, verbal assertiveness, and physical defense moves...

Read More

Government Schemes 2024-01-25

Workplace Safety

Made by MGX



Step 7: Test – Getting Feedback

- Who did I share my solution with?

I shared my solution with:

- **Students** – to get feedback on usability and relevance.
- **Teachers and career guidance counselors** – to understand how well it supports women.
- **Parents** – to see if it helps families access information about women's safety.
- **Peers and mentors** – for suggestions on improving features and design.

What feedback did I receive?

Feedback: Pros and Cons

Pros (Positive Insights from Feedback):

- Very informative and user-friendly.
- Multilingual feature adds great value.
- Emergency button and rights section are helpful.

Cons (Areas to Improve Noted in Feedback):

- Could add voice commands for illiterate users.
- Needs more local language content.

My Response for The Feedback:

Based on the feedback, I plan to integrate a **voice assistant** feature and expand the database with **city-specific safety resources**. Future updates will include offline access to helpline numbers and an improved alert mechanism to ensure users receive confirmation instantly during emergencies.

👉 What works well:

What Works Well

1. Combines awareness, assistance, and community engagement on one platform.
2. No-code design makes updates and content additions quick and easy.
3. Encourages learning and empowerment through practical safety education.

🔧 What needs improvement:

1. Add regional language voice support.
2. Enhance UI visuals and emergency feedback response speed.
3. Include personalized safety reminders based on user habits.

AI Tools you can use for Step 6-7:

ChatGPT/Perplexity AI/Claude AI/Canva AI/Chatling AI/Figma AI/Metamgx/Gamma AI: You can use these tools to build solutions/models or mock-up dummy prototypes

Day 4: Showcase

Step 8: Presenting my Innovation:

I am presenting **AI Women Safety Awareness Bot**, an AI-powered digital platform developed to spread awareness about women's safety, rights, and emergency support systems. The platform integrates an intelligent chatbot, emergency assistance module, and educational resources to empower users with information and instant help in times of need.

During my presentation, I demonstrated how users can interact with the chatbot to learn about protection laws such as the *POSH Act* and *Domestic Violence Act*, access verified helpline numbers, and use the SOS feature to send real-time alerts to trusted contacts. The multilingual support makes the bot inclusive and accessible to users across regions, including English, Kannada, and Hindi speakers.

The **Awareness & Learning Hub** section impressed the audience by displaying infographics, articles, and videos about safety tips and government schemes. The **Community Forum** was highlighted as a safe and private space for users to share their experiences anonymously and learn from others.

The application prototype was created using the **IBM SkillsBuild No-Code Tool**, with conversational logic designed using **ChatGPT**, and visuals designed with **Canva AI**. The presentation concluded by showing how the project can be scaled through NGO or government collaboration for larger community outreach.

Impact:

The AI Women Safety Awareness Bot promotes safety, awareness, and empowerment among women. It builds a digital environment where knowledge and help are accessible at any time, encouraging independence and confidence. The project's long-term impact lies in bridging the gap between awareness and action, ensuring every woman feels safe, informed, and supported.

<SHOWCASE YOUR INNOVATION TO YOUR PEERS>

The screenshot displays the homepage of the "Women Safety Hub". At the top, there is a purple header bar with the text "Welcome to Women Safety Hub" and a subtext "Your trusted companion for safety, awareness, and empowerment". Below the header, there is a "Safety Tip of the Day" section with a yellow triangle icon and the text "Always share your location with trusted contacts when traveling alone. Stay alert and trust your instincts.". A "Quick Access" section follows, containing three cards: "AI Assistant" (with a purple person icon), "Emergency Help" (with a red shield icon), and "Learn & Grow" (with a blue book icon). At the bottom left, there is a "Your Learning Progress" section with a green checkmark icon and the text "Articles Read". At the bottom right, there is a "Made by MGX" logo. On the far left, a sidebar menu titled "Women Safety Awareness" shows options like "Dashboard", "AI Assistant", "Emergency", "Learn", and "Admin".

Step 9: Reflections

- **What did I enjoy the most?**
I truly enjoyed designing the chatbot's conversation flow and creating responses that felt empathetic, informative, and reassuring. Seeing how technology can make a real social impact motivated me to think creatively about community-driven AI solutions. I also enjoyed exploring multilingual design and testing the SOS alert system.
- **What was my biggest challenge?**
The biggest challenge was ensuring the chatbot's information accuracy and managing sensitive topics responsibly. Creating a balance between helpful guidance and user privacy required careful consideration. Integrating real-time emergency features while maintaining data security was also technically challenging.
- **What did I learn?**
Through this project, I learned how AI can be used not only for automation but also for social welfare. I understood the importance of ethical AI design, user empathy, and creating interfaces that make users feel safe and supported.

- **Take-home Task:**

Design a digital campaign poster titled “*Empower, Educate, and Protect*” using **Canva AI** to raise awareness about women’s safety and share it along with the project link on GitHub or the SkillsBuild dashboard.

AI Tools Used for Step 8:

- **IBM SkillsBuild:** For prototype creation and app logic design.
- **ChatGPT:** For chatbot dialogue generation and awareness content.
- **Canva AI:** For posters, infographics, and awareness visuals.