



Empowering Whistleblowers with a Centralized, Anonymous Reporting Platform
Leveraging AI and Secure Communication

SOLUTION OVERVIEW

Theme : Public Safety and Security

Problem :

There is a common situation worldwide where many people see wrongdoings but can't act due to fear and lack of protection.

Our Solution :

Our platform offers a secure and anonymous way for people to report such incidents without fear of retaliation.

Our platform uses advanced technologies like AI to detect the fake reporting and secure communication methods to empower citizens report anonymously.

Whistle Safe is not just an idea; it is a solution crafted through real-world experiences and driven by a passion for justice and accountability.

USP'S



Multi-layered AI-powered Evidence Verification

Instead of relying on a single technology to detect deep fakes, our project employs a dedicated AI-pipeline consisting of various popular deepfake identification technologies. Submitted videos/images are thoroughly analysed, and the final report is sent to the appropriate authority.



Anonymous Identity Verification

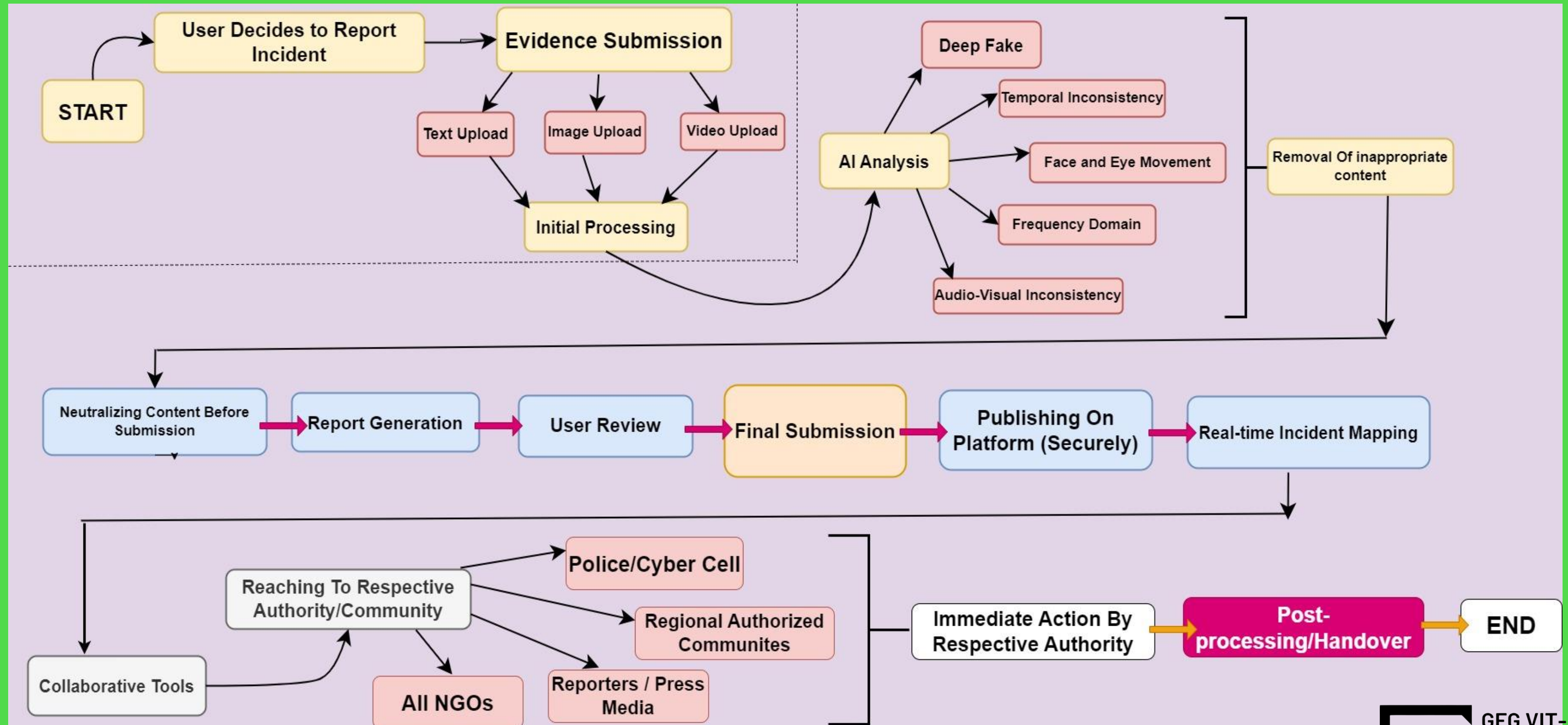
User identity remains completely anonymous, even to officials. This ensures the utmost safety for users and encourages more people to come forward.



Generative AI-assisted Report Processing

Leverages AI to transform user-provided information (via speech or text input) into professional reports. This process enhances the quality of reports while preserving the original context and includes features like extracting key details like place, time of occurrence, and individuals involved. It also removes any cuss or harsh words used in the report.

WORKFLOW



TECHNICAL ARCHITECTURE

Tech stack

- **Frontend Technologies:** React
- **Backend Technologies:** Appwrite
- **Database:** Appwrite
- **Other Tools/Services:** MUI , Github , IBM watsonx for report processing, Deep learning models for Deepfakes Detection

SCALABILITY AND FUTURE SCOPE

- **How your solution can handle increased load**
Autoscaling by Appwrite Database
- **Architecture considerations (e.g., cloud services, load balancing)**
Appwrite database
- **Additional functionalities you plan to implement**
Speech to text conversion in report submission
Multi language support
Collaboration with legal authorities

FEASIBILITY

- **Potential challenges and risks**


Improving the deep learning models continuously to detect the perfecting deepfakes.

Integrating speech to text service with high accuracy irrespective of language.


Improving the Generative AI implementation to extract the key features from the report irrespective of the language.

- **Strategies for overcoming these challenges**

Continuously looking for open source developments to integrate in our platform



>Team Details





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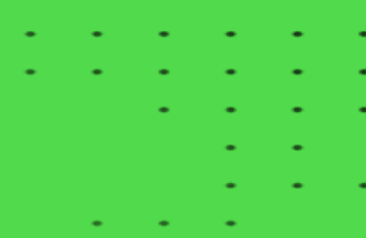
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HACKTOBER
FEST



Thanks for Joining

