DisasterEye

The Real-Time Disaster Information Aggregation Software (RTDIAS)

Save more lives with data.

The Problem

Slow and fragmented disaster information delays critical response efforts, putting lives and resources at risk.

Problem

- When Disaster hit Social media is flooded with posts, while news channels and government databases delay in updating information.
- Rescue teams are overwhelmed, trying to filter through vast amounts of unstructured data from multiple sources.
- This manual filtering process consumes critical hours needed for response efforts.
- In disaster response, delays of even a few hours can mean the difference between life and death.
- The scattered and often unreliable information creates chaos, slowing down decision-making.
- Delayed aid leaves affected communities waiting longer for help, worsening their situation when immediate assistance is needed.

The Utopia

DisasterEye delivers real-time disaster data, turning scattered information into actionable insights for faster response.

Solution

Amidst chaos, DisasterEye brings clarity. Imagine an AI-powered platform that immediately collects data from social media, news channels, and government sources for real-time processing. Instead of noise, responders would now only have to deal with information that really matters.

No delays, no longer. With the capabilities of DisasterEye, teams can act—not only faster but smarter—preparing for what's next. DisasterEye transforms unwieldy information into workable insights, thereby making sure that help reaches when and where it is needed most.
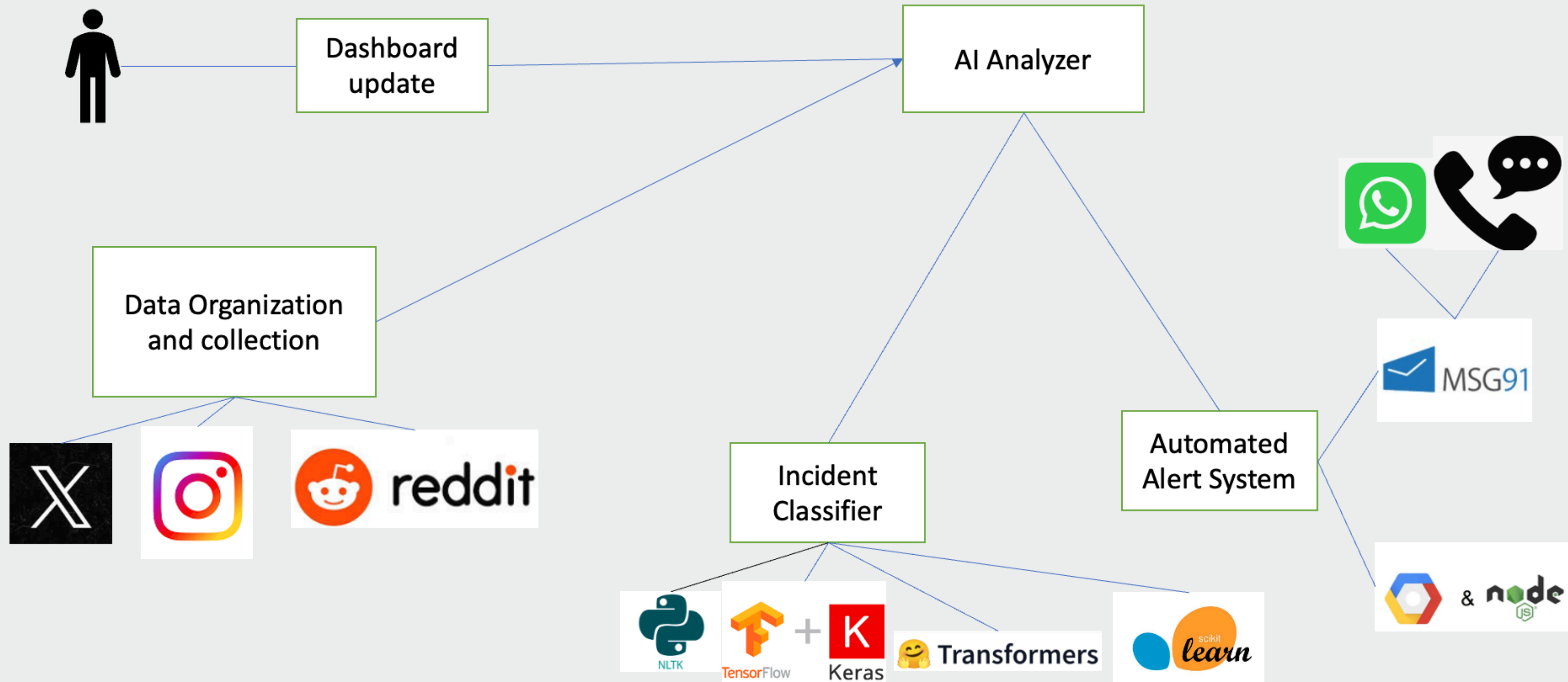
Impact & Benefits

NGOs & Relief Organizations

Instant access to critical information helps streamline aid distribution, ensuring that resources reach those who need them most.

Communities & Individuals

Early warnings and precise information help individuals make life-saving decisions faster, such as evacuations and shelter preparations.

Environmental Impact

Helps mitigate long-term damage to ecosystems via real-time insights that guide sustainable recovery efforts and prevent further degradation of natural resources.

Social Impact

Reduces loss of life by enabling quicker decision-making in disaster scenarios. Helps vulnerable populations receive timely aid and support.

Feasibility Analysis

AI and Data Infrastructure

- AI and data infrastructure are feasible with scalable cloud platforms and proven AI models, such as NLP and machine learning, capable of processing real-time data efficiently.

Real-Time Data Processing

- NLP and machine learning for real-time data categorization and alerts have been successfully tested in areas like social media monitoring and financial systems, proving their reliability.

Adoption by Key Stakeholders

- Governments, NGOs, and corporations are increasingly adopting AI for crisis management, making DisasterEye a natural fit as they modernize disaster response.

Major Risks and Strategies

- **Risk #1**: Data accuracy and reliability due to misinformation on social media.

- **Solution #1**: AI-based data validation using machine learning to filter credible information.

- **Risk #2**: Infrastructure scalability during large-scale disasters with high data volumes

- **Solution #2**: Cloud scalability solutions like AWS or Azure to handle data surges and maintain reliability.

Exploring the 'Size of Safety' Analysis

- An **$11B Indian market** exists for disaster management products

- This market is set to grow 5-7% every year, hitting **$15-18B by end of 2028**.

- National Disaster Response Fund (NDRF) receives large allocations, with **₹13,000 crore** allocated in recent years