## 1. My Idea

**SAFEHUB**

SafeHub is a lightweight AI-powered platform built on **AWS services** that allows community members to instantly report emergencies (fire, medical, violence, accidents) with photos, text, and geolocation. The system leverages cloud-native tools to classify incidents using AI/ML, securely store evidence, and automatically alert the nearest verified responders, improving emergency response speed in underserved areas.

## 2. Target Users & Impact

**Target Users:**

• Citizens in urban and rural African communities
• Community responders (health workers, firefighters, security personnel)
• Local NGOs, safety authorities, and emergency coordinators

**Impact:**

• Cuts response time by automatically identifying and routing urgent incidents
• Gives citizens a trusted, simple channel to raise alarms
• Provides authorities with data-driven dashboards to allocate resources
• Builds a long-term safety data repository to improve future planning

## 3. Basic Technical Approach

• **Frontend:** Simple web app (HTML/CSS/JS) hosted on Amazon S3 + CloudFront for scalability and low latency.
• **Backend:** AWS Lambda + API Gateway to handle incident submissions, user management, and notifications.
• **Database:** Amazon DynamoDB to store incidents, users, and responder records.
• Media Storage: Amazon S3 bucket for uploaded photos and evidence.
• **Notifications:** Amazon SNS or Pinpoint to alert responders via SMS or push.
• **Geolocation:** Amazon Location Service for mapping and finding nearest responders.
• **AI/ML:** Amazon Bedrock for text/image classification of incidents.
• (Fallback: Local simple rules if Bedrock unavailable during development.)
• **Authentication:** Google OAuth for user login (commented instructions for Cognito integration).
• **Security:** IAM roles for least privilege; data encrypted at rest and in transit.

This design leverages serverless AWS services to stay cost-effective, scales automatically as more people use it, and can be deployed across multiple African countries with minimal setup.