



Google Developer Group  
On Campus

# TechSprint



Leveraging the power of AI



## Team Details

- a. Team name: SeaKingAuraLoss
- b. Team leader name: Kedar Vartak
- c. Problem Statement: Open Innovation

# PROBLEM STATEMENT

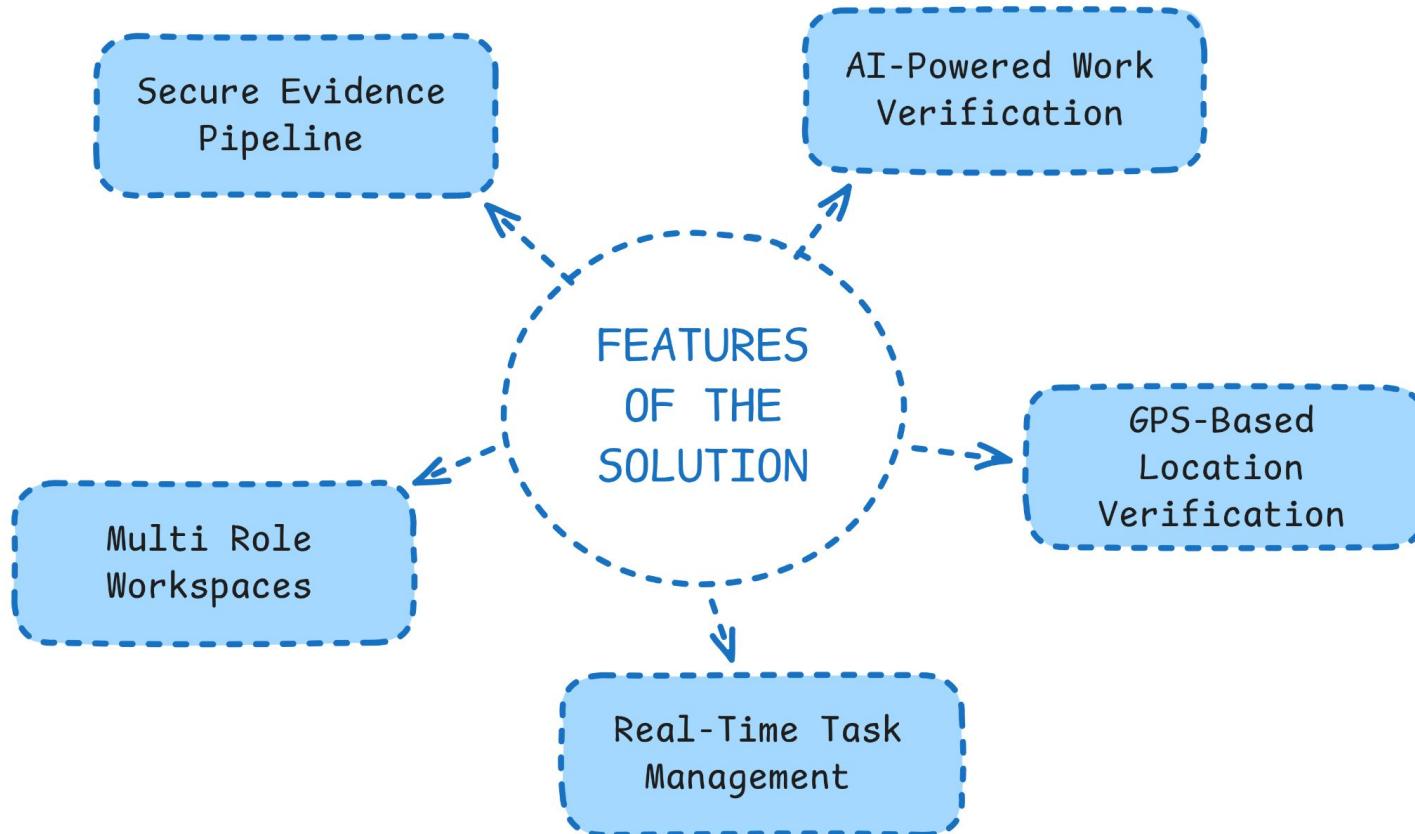
Traditional service marketplaces suffer from **low trust**, as clients often lack reliable ways to verify whether assigned work has been completed correctly. Our solution acts as a **trusted intermediary** between **large contractors and worker organizations**, enabling transparent task tracking, verifiable execution, and clear accountability. By establishing a single, trustworthy system of record, we reduce disputes, prevent misuse, and ensure confidence for all parties involved.

# OPPORTUNITIES - CAVEATS AND COMPARISONS

Manual verification doesn't scale in India's \$15B+ home services market, where lack of verifiable work quality drives trust issues and causes 67% of customers to hesitate before hiring.

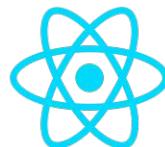
Feature	TaskRabbit / Urban Company	Our Platform	Why It Matters
Work Verification	Manual review, relies on customer ratings	AI-powered before/after image comparison	Objective verification reduces disputes and removes rating bias
Transparency	Opaque decisions, workers have no recourse	Blockchain audit trail – immutable, tamper-proof	Builds trust for both clients and workers
Location Verification	Basic GPS check	Geofenced arrival confirmation	Prevents false check in and spoofing
Evidence Integrity	No proof of original vs tampered images	SHA-256 hash stored on blockchain	Guarantees evidence authenticity and non-repudiation

# FEATURES OF THE SOLUTION

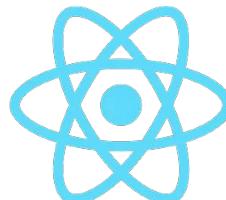


# TOOLS AND TECHNOLOGIES USED

## Frontend



React



React Native

## Backend, DB, Blockchain and Storage



nest



FastAPI



 supabase

 Cloudinary

## AI Service

 Meta

 OpenAI



Hugging Face

## Google Tools



Gemini



Firebase



USER LOGS IN / SIGNS UP  
FOR OUR PLATFORM



CREATES A TASK - FILLS IN  
NECESSARY DETAILS

1. Task name
2. Description
3. Uploads Task Media
4. Marks out Task Location
5. Allocates budget, date and time



DATE AND TIME <  
THRESHOLD SET BY  
CLIENT - CAN  
ACCEPT BUT NOT  
START



DATE AND TIME >=  
THRESHOLD SET BY  
CLIENT - CAN ACCEPT  
AND START

TOO EARLY TO START

ACCEPT TASK

TOO FAR FROM  
LOCATION, NAVIGATE

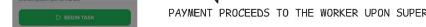
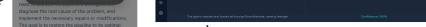
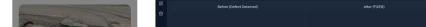
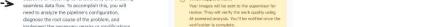
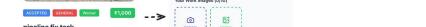


[link](#)

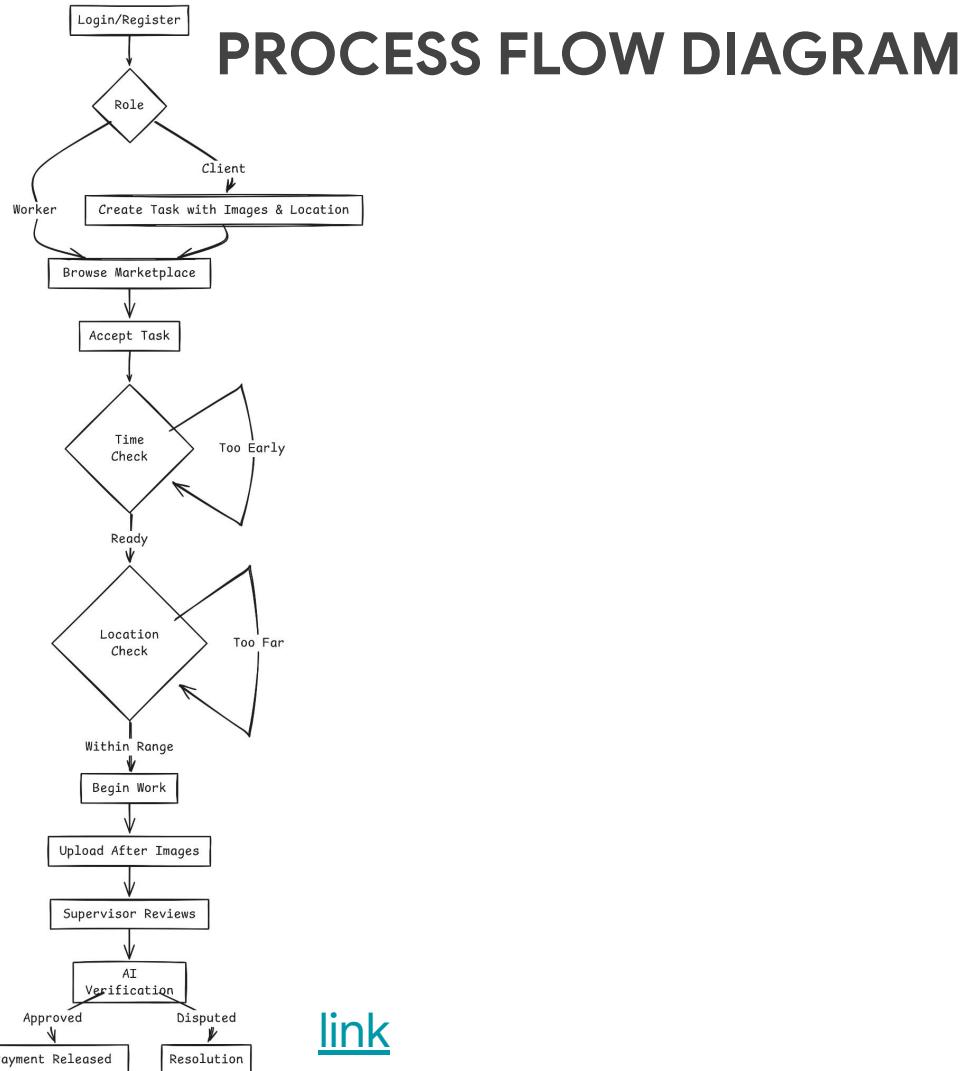


50M DISTANCE  
DIRECTED TO WORK  
UPLOAD SCREEN

UPLOAD AFTER FIX IMAGES /  
VIDEOS

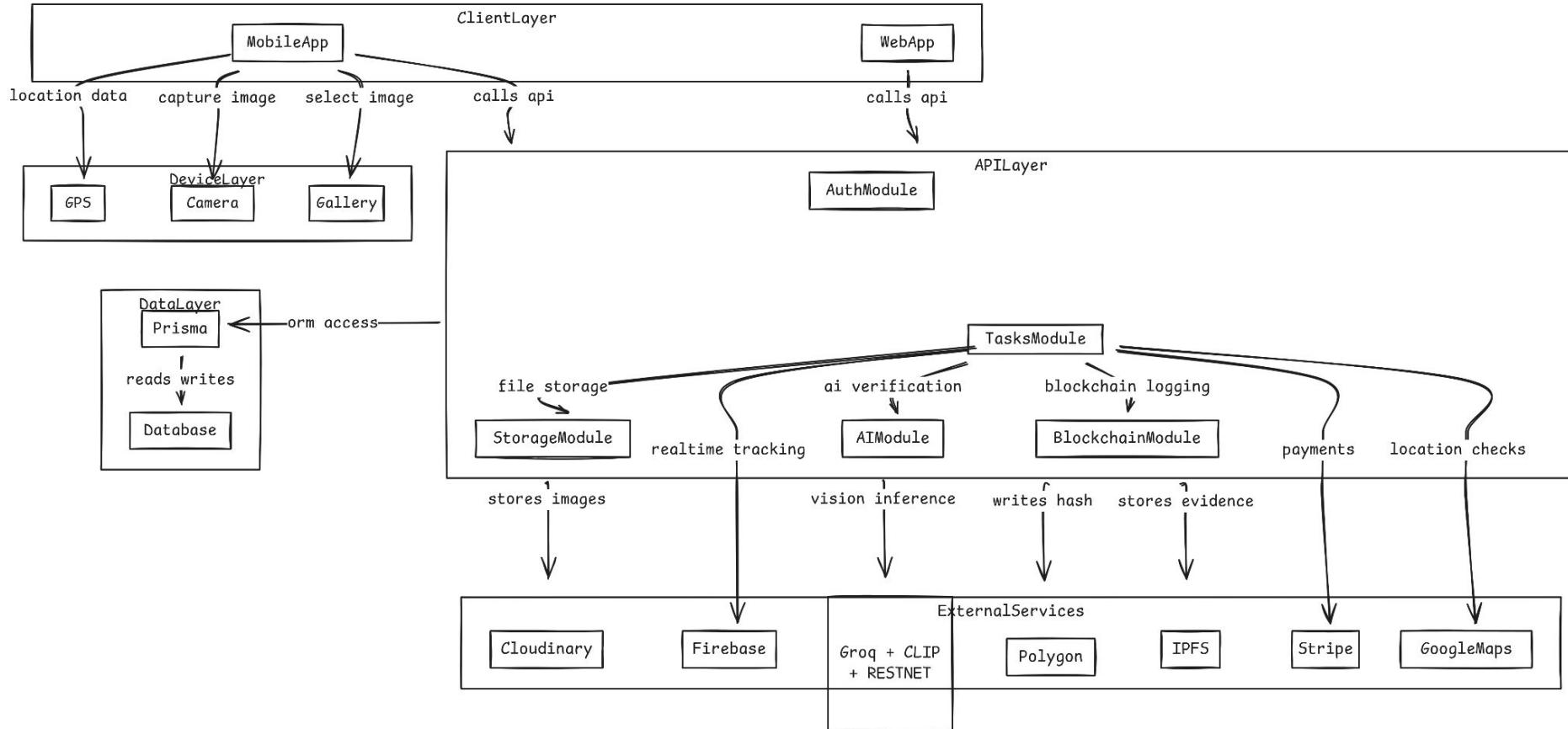


PAYMENT PROCEEDS TO THE WORKER UPON SUPERVISOR APPROVAL

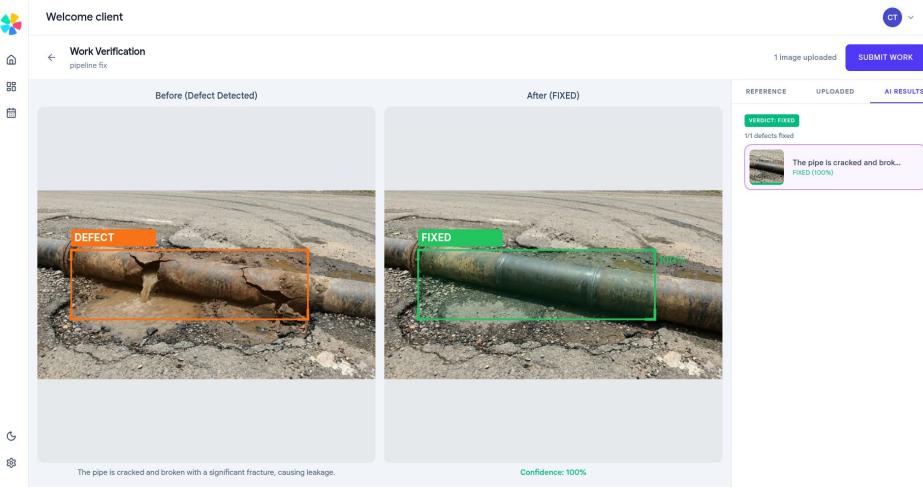


[link](#)

# ARCHITECTURE DIAGRAM



# SNAPSHOTS OF THE MVP



Welcome client

Team Tasks

Tasks you have posted

ALL TASKS    ACTIVE    COMPLETED

**pipeline 2.0 fix** ₹1,000

This task involves identifying and resolving issues within the existing pipeline to ensure seamless...

**IN PROGRESS**    GENERAL    08:02 AM

**Worker** 19 minutes ago

**pipeline fix task** ₹1,000

This task involves identifying and resolving the issues causing the pipeline to malfunction, with th...

**ACCEPTED**    GENERAL    06:41 AM

**Worker** 40 minutes ago

**test 4.0** ₹2,000

This task involves conducting a preliminary assessment to evaluate the functionality and effectiv...

**SUBMITTED**    GENERAL    04:29 AM

**Worker** 2 hours ago

**test test 3.0** ₹1,000

This task involves conducting a preliminary assessment to evaluate the functionality and performance...

**SUBMITTED**    GENERAL    04:10 AM

**Worker** 3 hours ago



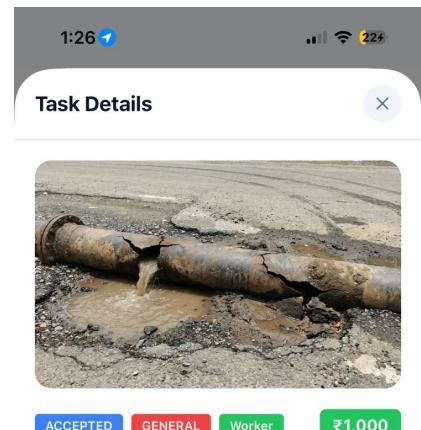
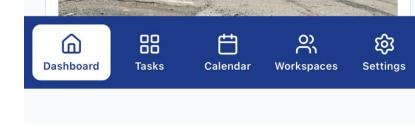
Available Tasks    10 tasks

**pipeline 2.0 fix** ₹1,000

The task involves identifying and resolving issues within the existing pipeline to ensure seamless...

**IN PROGRESS**    GENERAL    1:32 AM

**C Client** Just now    **W Worker**



**pipeline fix task**

This task involves identifying and resolving the issues causing the pipeline to malfunction, with the objective of restoring its functionality and ensuring seamless data flow. To accomplish this, you will need to analyze the pipeline's configuration, diagnose the root cause of the problem, and implement the necessary repairs or modifications. The goal is to restore the pipeline to its optimal working state, minimizing downtime and data loss. By completing this task, you will help maintain the integrity and efficiency of the pipeline, supporting overall system performance.



# TRY THE WEB SOLUTION OUT!

1. Visit <https://open-audit-web.vercel.app>, log in with the client credentials ([client@test.com](mailto:client@test.com) - password123). You will be redirected to the dashboard page (hard refresh if stuck on the auth page)
2. Create a task with valid information. Select this image - [link](#) for the media, select a random location and a date and time of the past (CRUCIAL).
3. Log out of the website and log in again as a worker persona ([worker@test.com](mailto:worker@test.com) - password123). You will be redirected to the dashboard page.
4. Click on the task you previously created, accept it. Go to team tasks page, click on the accepted task
5. Upload this image - [link](#). Click on submit work button, wait for 10-12 seconds and BOOM! Magic. You will be able to see the AI annotations.
6. Now recreate the task and repeat the same flow, but instead of submitting a fixed image, upload the original image used during task creation and observe how the results differ.

NOTE that every single task that any user performs is publicaly live on -

<https://amoy.polygonscan.com/address/0xd86b0BEFdbf3873Bd576F85B692fF421eFd3bB46#events>

1. Implementation of Generative Adversarial Networks to detect if the submitted images are deepfakes or not.
2. Integrating Payment Gateways (sandbox) to wrap up the entire deployment flow.

1. GitHub Public Repository - <https://github.com/kedarvartak/open-audit>
2. Demo Video Link (3 Minutes)
3. MVP Link - <https://open-audit-web.vercel.app>

Credentials -

1. [client@test.com](mailto:client@test.com) - password123
2. [worker@test.com](mailto:worker@test.com) - password123

The Web based deployment is completely working. Hard refresh if not able to log in or a try a different browser

NOTE that every single task that any user performs is publicaly live on -

<https://amoy.polygonscan.com/address/0xd86b0BEFdbf3873Bd576F85B692fF421eFd3bB46#events>



Google Developer Group  
On Campus

# TechSprint



Leveraging the power of AI



# Thank you!

