

WEB 3.0 Weather Cast

CASPER

B N B Chain Hackathon



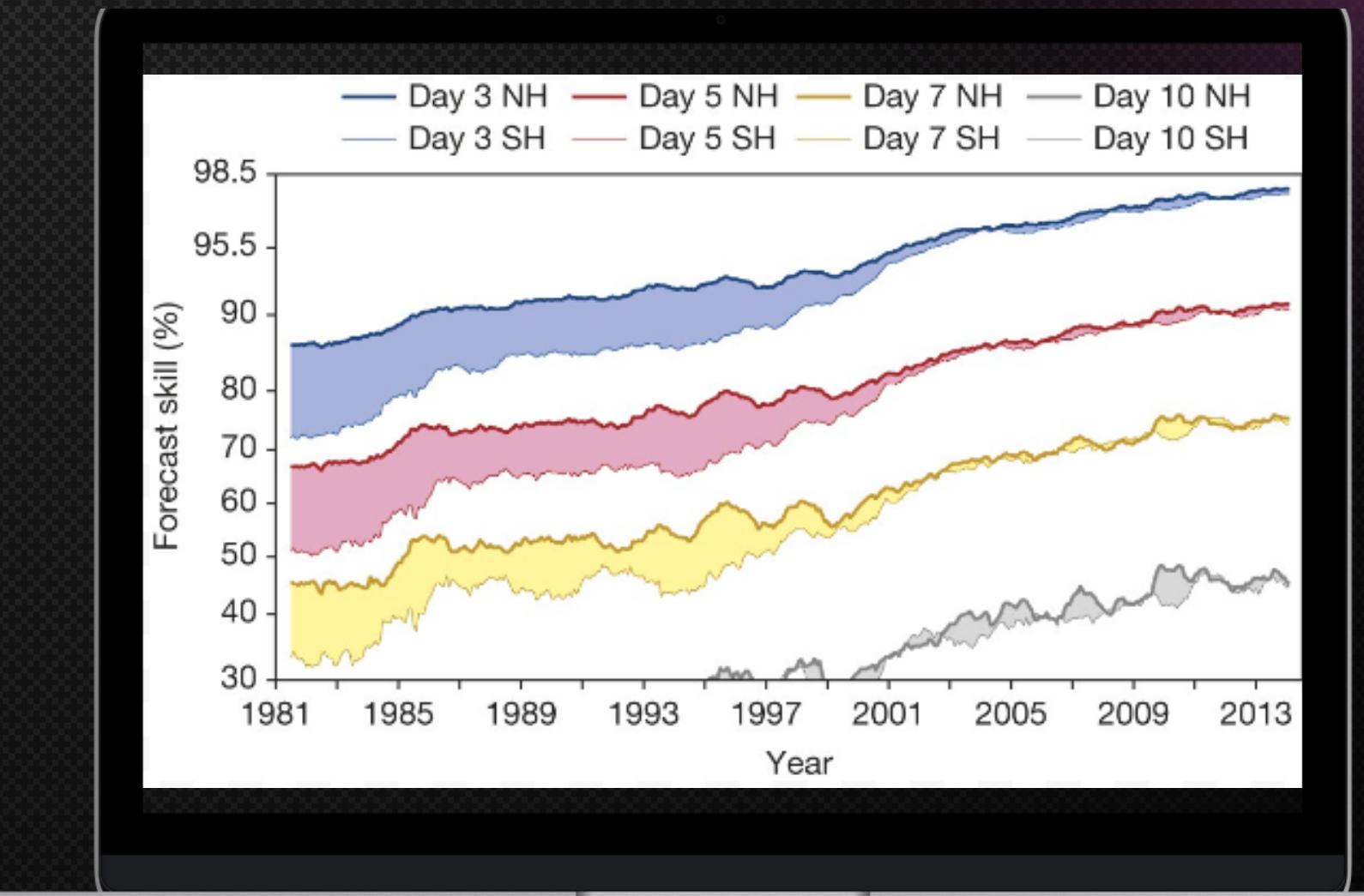
THEKIE

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Problem

Inaccuracy of a
centralized weather
forecast



Source: Forecast skill(percentage correlation between observed and forecast weather conditions at 3, 5, 7 & 10 days out in the northern and southern hemispheres(<https://www.nature.com/articles/nature14956>)).



Solution 1

Blockchain Based IoT Device Collect Real Time Environmental Data



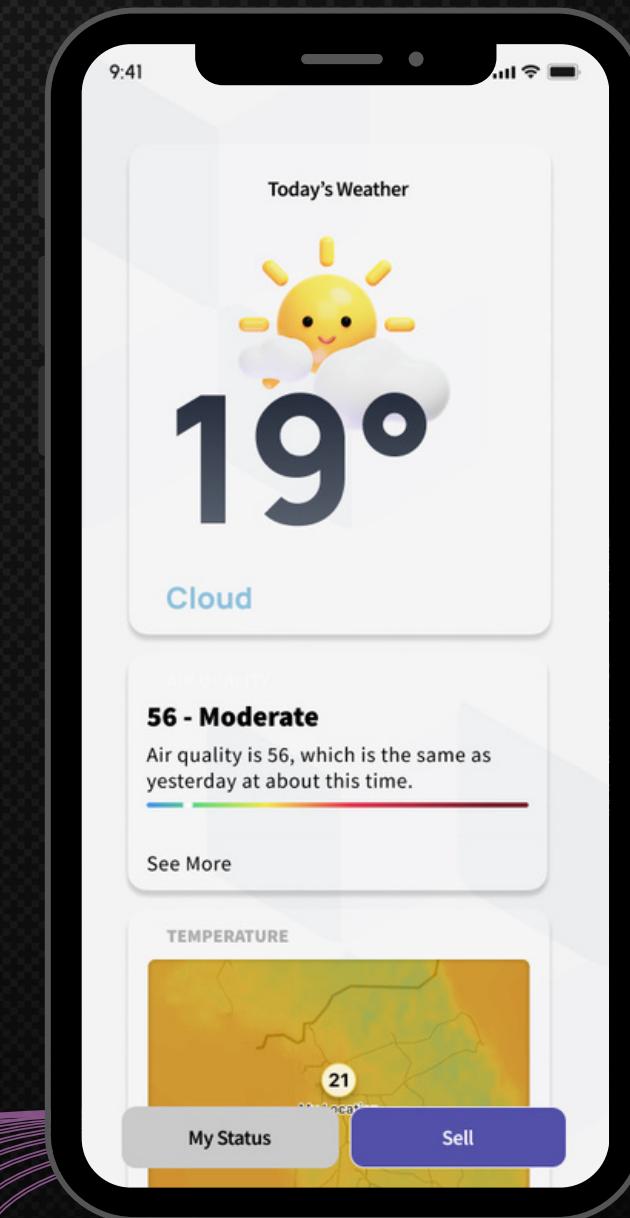
Solution 2

Token Rewards to users providing the data



Solution 3

Decentralized Weather Forecast 3.0



KIE-MECS

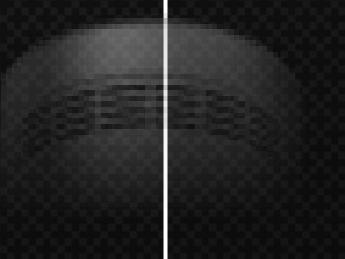
A blockchain based IoT device
to collect environmental data
of indoor and outdoor



Gateway and Indoor/ Outdoor
environment measurement



Meausre temperature,
humidity, PM2.5, PM 1.0



Status display:
Finedust(Good/ Normal/ Bad/ Very bad)

Casper: Web 3.0 Dapp



Token Transferrable NFT Providing



Sell Environmental Data

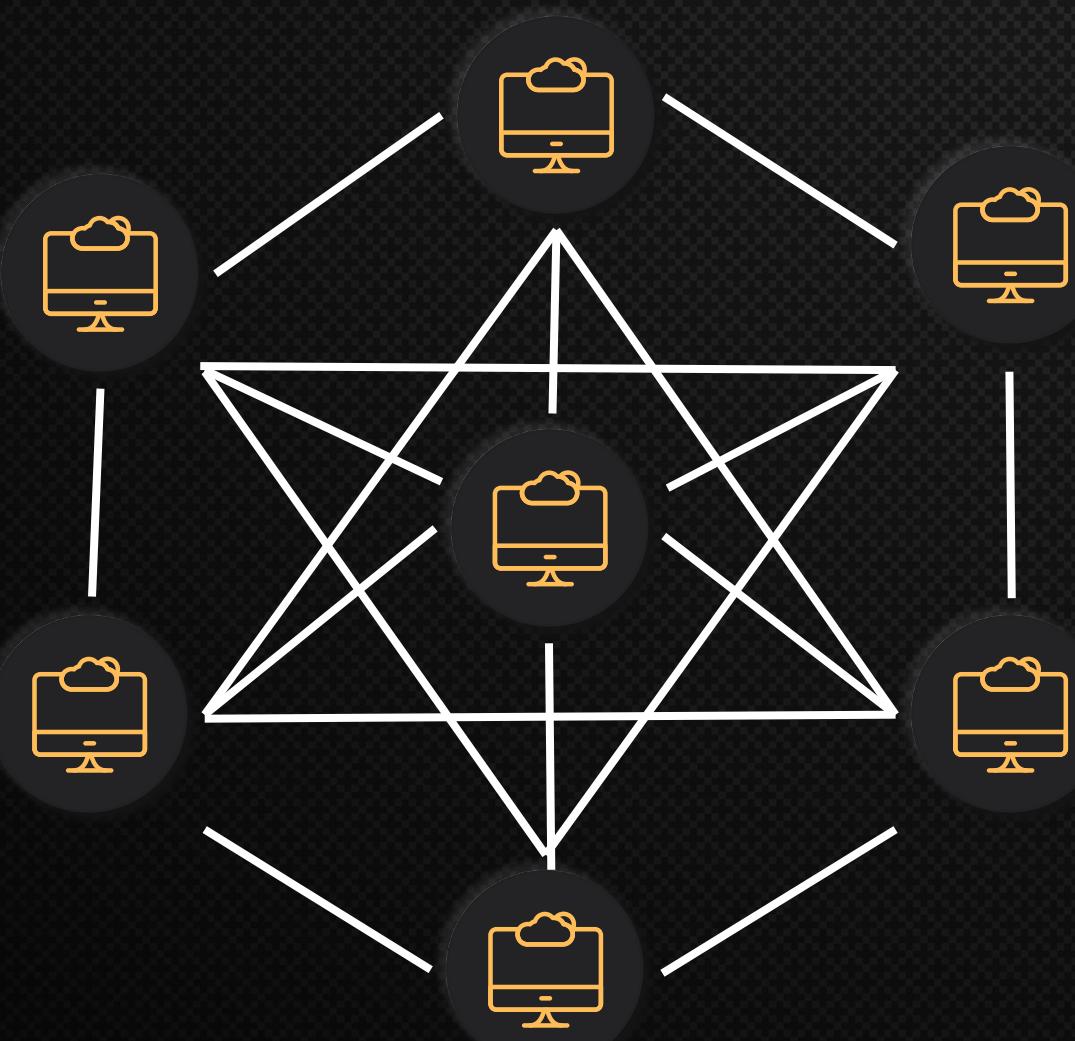


Earn Reward for Data



Provide Weather Forecast 3.0

Weather Forecast 3.0

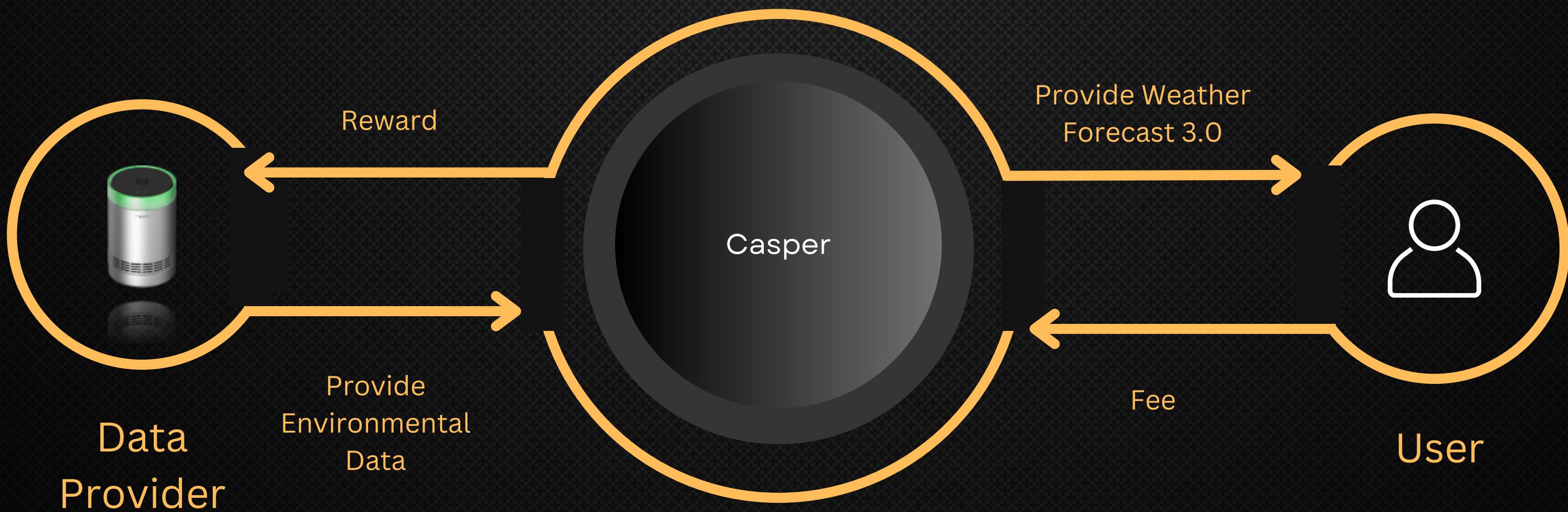


Decentralized Forecast

More accuracy

Unit Area based Forecast

Mechanism



What We have Done

TASK 1

Real-Time Data from IoT
to Platform

TASK 2

Registering serial
numbers on chain as
contract

TASK 3

Data transition to tokens

TASK 4

frontend dev

What We Can Do

TASK 1

AI Implementation

TASK 2

Providing more Token
Utility

TASK 3

Real-Time Data from IoT
to Platform on chain

The Team

Sooin Lee

TEAM LEAD

Mono Kim

BLOCKCHAIN DEV/
BACKEND DEV

Josh Lee

PRODUCT MANAGER

David Lee

BLOCKCHAIN DEV/
FRONTEND DEV

Thank You