

The background of the banner is a dark navy blue. On the left side, there is a large, stylized graphic consisting of two overlapping triangles: a blue one on the left and a light green one on the right, both pointing towards the center. Below these triangles is a circular inset showing a close-up of a complex electronic circuit board. In the top right corner, there is a faint, 3D-rendered pattern of interlocking cubes or a circuit-like structure. The text 'APOGEE BLOCKCHAIN HACKATHON' is centered on the right side of the image in a white, sans-serif font.

APOGEE BLOCKCHAIN HACKATHON



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Problem Statement

- 01 ADDING/DELETING/UPDATING FARM DATA TO BLOCKCHAIN AND BUILDING A DAPP USING STARPORT
- 02 QUERY TO GET ATTRIBUTES OF A PARTICULAR FARM AT A PARTICULAR TIMESTAMP
- 03 QUERY TO GET LIST OF ALL FARMS HAVING DESIRED ATTRIBUTES AT A PARTICULAR TIMESTAMP



OUR IMPLEMENTATION

[Home](#) [Query 1](#) [Query 2](#)

Get Attributes of given Location and Time Stamp

Time Stamp:

Location:

Crop:

Temperature:

Humidity:

Soil Moisture:

Growth Percentage:

OUR IMPLEMENTATION

[Home](#) [Query 1](#) [Query 2](#)

Get Location matching to Given Attributes

Time Stamp: 922

Crop: Cotton

Temperature: 14

Humidity: 74

Soil Moisture : 11

Growth Percentage : 0

Location: 10,10



CLI COMMANDS TO ADD DATA AND QUERY DATA

TO ADD DATA: `farmchaind tx farmchain create-location-data timestamp location temperature humidity soilmoisture growthpercentage crop --from creator`

TO GET LIST OF FARMS: `farmchaind q farmchain list-location-data`

TO GET ATTRIBUTES OF A FARM AT A TIMESTAMP: `farmchain show-location-data timestamp location`

TO GET LOCATIONS FROM ATTRIBUTES: `farmchaind q farmchain get-location-by-data timestamp crop temperature humidity moisture growthpercentage`

TO DELETE FARM: `farmchaind tx farmchain delete-location-data timestamp location --from creator`



Thank you!