

# Project SuperKart Trouble Shooting Notes

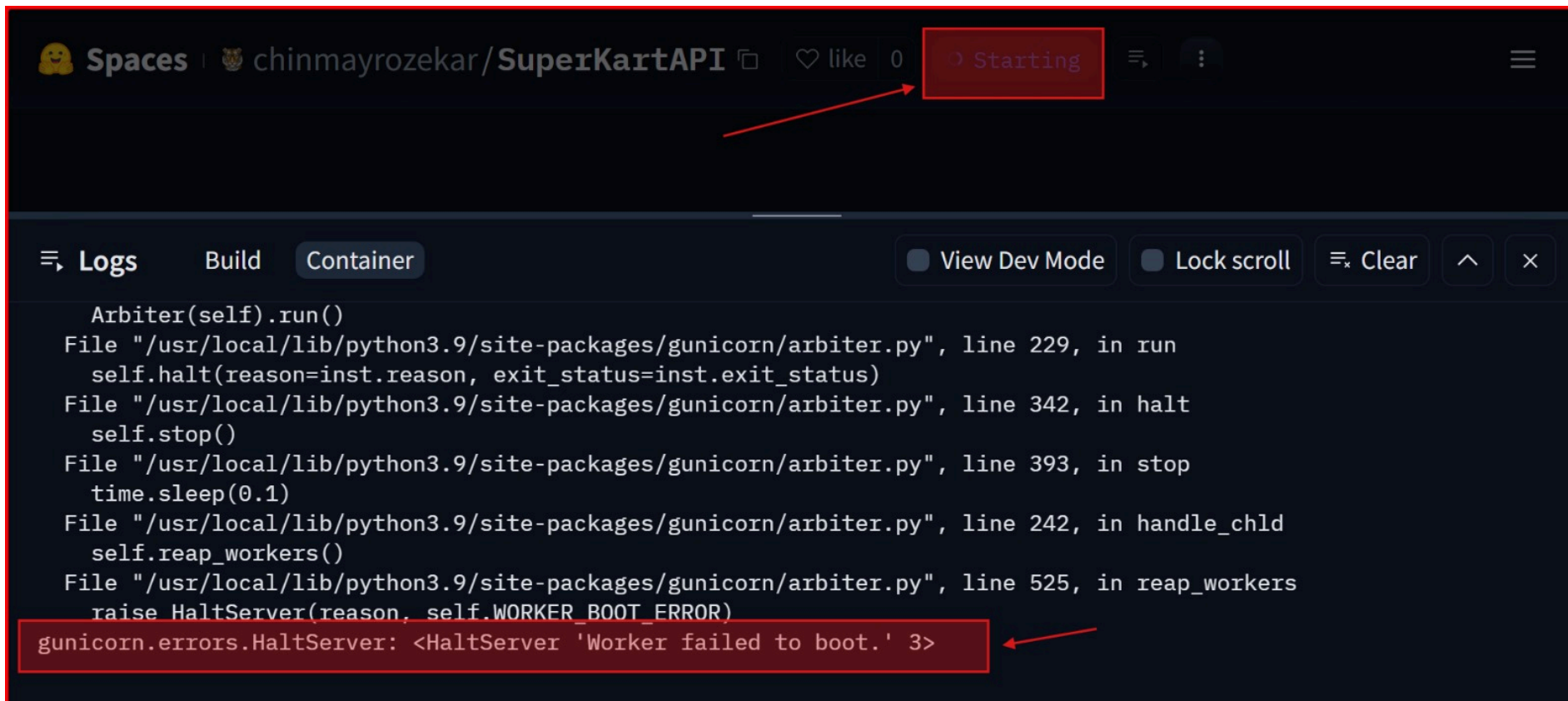
**These slides are a collection of Potential Issues someone can run into**

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Original Credits: *Todd Grayson* (PGPAIML)

# Deployment Backend

This is the issue i faced:



The screenshot shows a Vercel deployment interface for a project named 'SuperKartAPI' by user 'chinmayrozekar'. The deployment status is 'Starting', indicated by a red box and an arrow. Below the status bar, there are tabs for 'Logs', 'Build', and 'Container', with 'Container' currently selected. To the right of the tabs are buttons for 'View Dev Mode', 'Lock scroll', 'Clear', and scroll controls. The container log displays the following output:

```
Arbiter(self).run()
File "/usr/local/lib/python3.9/site-packages/gunicorn/arbiter.py", line 229, in run
  self.halt(reason=inst.reason, exit_status=inst.exit_status)
File "/usr/local/lib/python3.9/site-packages/gunicorn/arbiter.py", line 342, in halt
  self.stop()
File "/usr/local/lib/python3.9/site-packages/gunicorn/arbiter.py", line 393, in stop
  time.sleep(0.1)
File "/usr/local/lib/python3.9/site-packages/gunicorn/arbiter.py", line 242, in handle_chld
  self.reap_workers()
File "/usr/local/lib/python3.9/site-packages/gunicorn/arbiter.py", line 525, in reap_workers
  raise HaltServer(reason, self.WORKER_BOOT_ERROR)
gunicorn.errors.HaltServer: <HaltServer 'Worker failed to boot.' 3>
```

The final line of the log, 'gunicorn.errors.HaltServer: <HaltServer 'Worker failed to boot.' 3>', is highlighted with a red box and an arrow, indicating the specific error encountered during deployment.

**This is the line causing the fail:**

- `model = joblib.load("backend_files/xgb_tuned_model.joblib")`
- I fixed it to
  - `model = joblib.load("xgb_tuned_model.joblib")`

and the issue with

```
gunicorn.errors.HaltServer: <HaltServer 'Worker failed to boot.' 3>
```

got resolved.

please see full code on next slide

```

%%writefile backend_files/app.py

# Import necessary libraries
import numpy as np
import joblib # For loading the serialized model
import pandas as pd # For data manipulation
from flask import Flask, request, jsonify # For creating the Flask API

# Initialize Flask app with a name
superkart_api = Flask("SuperKartSalesAPI")

# Load the trained churn prediction model
# model = joblib.load("backend_files/xgb_tuned_model.joblib")
model = joblib.load("xgb_tuned_model.joblib")
# Define a route for the home page
@superkart_api.get('/')
def home():
    return "Welcome to the SuperKart Sales Prediction API!"

# Define an endpoint to predict churn for a single customer
@superkart_api.post('/v1/predict')
def predict_sales():
    # Get JSON data from the request
    data = request.get_json()

    # Extract relevant customer features from the input data. The order of the column names matters.
    sample = {
        'Product_Weight': data['Product_Weight'],
        'Product_Sugar_Content': data['Product_Sugar_Content'],
        'Product_Allocated_Area': data['Product_Allocated_Area'],
        'Product_MRP': data['Product_MRP'],
        'Store_Size': data['Store_Size'],
        'Store_Location_City_Type': data['Store_Location_City_Type'],
        'Store_Type': data['Store_Type'],
        'Product_Id_char': data['Product_Id_char'],
        'Store_Age_Years': data['Store_Age_Years'],
        'Product_Type_Category': data['Product_Type_Category']
    }

    # Convert the extracted data into a DataFrame
    input_data = pd.DataFrame([sample])

    # Make a churn prediction using the trained model
    prediction = model.predict(input_data).tolist()[0]

    # Return the prediction as a JSON response
    return jsonify({'Sales': prediction})

# Run the Flask app in debug mode
if __name__ == '__main__':
    superkart_api.run(debug=True)

```



**Spaces**



chinmayrozekar/**SuperKartAPI**



like

0

● **Running**



Welcome to the SuperKart Sales Prediction API!

# Front End

## Caution!

- Be cautious when using an underscore `_` in space names, such as `frontend_space`, as it can cause exceptions when accessing the API URL.
- Instead, always use a hyphen `-`, like `frontend-space`.
- Make sure your space is `Public`

You can check my repo here:

<https://huggingface.co/spaces/chinmayrozekar/SuperKart-FrontEnd/tree/main>

<https://huggingface.co/spaces/chinmayrozekar/SuperKart-FrontEnd>

# SuperKart Sales Prediction App

Product Weight

12.66

-

+

Product Sugar Content

Low Sugar

▼

Product Allocated Area

50.00

-

+

Product MRP

100.00

-

+

Store Size

Small

▼

Store Location City Type

Tier 1

▼

Store Type

Type 1

▼

Product Id Char

P001

Store Age Years

10

-

+

Product Type Category

Category 1

▼

Predict