

# **Adaptive Dehydrator**

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# Problem Statement:

- FOOD SPOILAGE DUE TO POOR STORAGE AND PROCESSING FACILITIES.

**Wooden structure**

**Aluminum foil covered  
on thermocol**

**ESP 32 WROOM  
module**

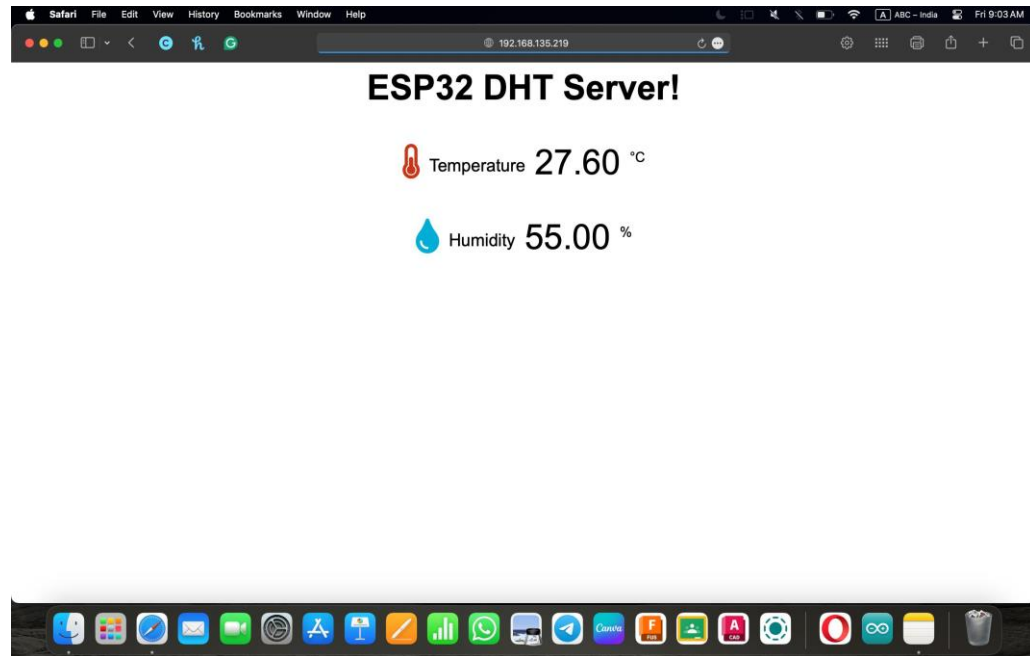


**Peltier module**

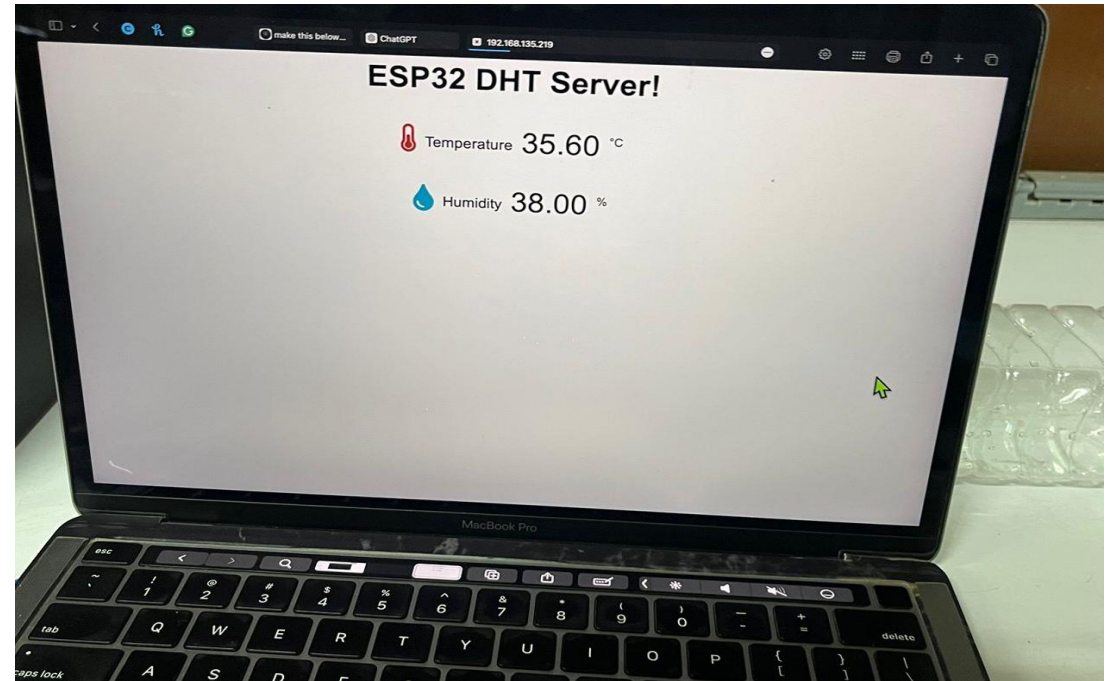
**DHT 11 sensor**

**Grill**

# Initial



# Final



| Date & Time        | Temperature (°C) | Humidity (%) |
|--------------------|------------------|--------------|
| 06/09/2024 – 00:20 | 30.80            | 55           |
| 06/09/2024 – 00:23 | 32.20            | 49           |
| 06/09/2024 – 00:37 | 34.70            | 41           |
| 06/09/2024 – 00:49 | 35.60            | 38           |