

Smart Fridge

Chase Breeden, Carter Crews, and Justin James

University of Tennessee – Martin

If you have ever left your house wondering whether you left the refrigerator door open, had a roommate stealing your food/drinks, or just wanted to monitor the temperature in your fridge, then Smart Fridge is what you're looking for. With less than \$100, you can build your own Smart Fridge. The Smart Fridge uses a door sensor with two temperatures sensors mounted to a Raspberry Pi. This setup communicates with Amazon Web Services to monitor the fridge in real time and alert the owner if the temperature makes a dramatic change.