

2022

Tomorrow's Innovator Award

Graduate Student Innovation Disclosure

Forecasting Residential Energy Consumption

Inventor:

Chinmay Shah



- Developed by University of Alaska Fairbanks PhD student Chinmay Shah.
- Built residential power load forecasting technique that reduces the amount of data required for artificial intelligence to improve efficiency in power distribution network systems.
- Improved deep learning training times for residential appliance modeling, increasing the ease of energy management for arctic residents.



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