

Driven student leveraging studies in electrical engineering seeks real-world experience as an electrical engineer. Offers strong interpersonal and task prioritization skills and is a determined team player. Also, a passionate job seeker with strong organizational skills is eager to secure an entry-level electrical engineer position. Ready to help the team achieve company goals.

**Hrushiekesh  
Reddy  
Kanjula**  
Student

## Professional Experience

2021-11 -  
2021-11

### Project Member

*SUNY Buffalo State, Buffalo, NY*

- In this project, we have simulated of induction of a newly constructed wind turbine into an existing power grid in a cost-effective and also energy-effective manner.
- We have simulated this project in the Power world simulator by connecting the wind turbine to different substations at different distances by following the Right-of-way.

We also included the costs of materials used to connect the new turbine to the desired substation.

By this project, we have cut the costs of wires and many other raw materials by planning well ahead of connecting the turbine to the grid.

We have also the best efficient place for the turbine in the power grid by this we have improved the efficiency up to 40%.

2021-04 -  
2021-04

### Project Team Leader

*Bharath University, Chennai, Tamil Nadu*

- Wireless sensor networks are very vulnerable to malicious attacks, which particularly target certain important nodes.
- To address this shortcoming, this paper first presents a new modeling strategy to generate scale-free network topologies, which considers the constraints in WSNs, such as the communication range and the threshold on the maximum node degree.
- We have used ROSE(Ranking of Super Enhancer), novel robustness enhancing algorithm for scale-free WSNs. Given a scale-free topology, ROSE exploits the position and degree information of nodes to rearrange the edges to resemble an onion-like structure, which has been proven to be robust against malicious attacks.  
ROSE can significantly improve the robustness of the network topologies generated by our modeling strategy.
- Moreover, we have also compared ROSE with two existing robustness-enhancing algorithms, showing that ROSE outperforms both.

## Contact

### Address

Buffalo, NY, 14226

### Phone

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### E-mail

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## Skills

Matlab



Very Good

Python



Good

Excellent Communication



Very Good

Organization and Time  
Management



Excellent

Planning and Coordination



Excellent

Multitasking Abilities



Very Good

Decision Making



Excellent

Teamwork and Collaboration



Excellent

2019-03 -  
2019-03

## Project Team Leader

*Bharath University, Chennai, Tamil Nadu*

- The system we have implemented using ordinary household appliances Natural language voice commands are given to the Google Assistant and with the help of the IFTTT (If This Then That) application and the Blynk application, the commands are decoded and then sent to the microcontroller.

The microcontroller in turn controls the relays connected to it as required, turning the device connected to the respective relay On or OFF as per the user's request to the Google Assistant.

The microcontroller used is NodeMCU (ESP8266) and the communication between the microcontroller and the application

is established via Wi-Fi (Internet).

The end result of this project is to automate our homes in a very cost-effective manner and we can also one can customize the software according to our needs and wants.

## Education

2021-08 -  
Current

### Master of Science: Electrical Engineering

*SUNY Buffalo State - Buffalo, NY*

2017-07 -  
2021-05

### Bachelor of Technology: Electrical Electronic And Communication

*Bharath Institute of Higher Education And Research - Chennai*

## Accomplishments

- Collaborated with team of 4 people in the development of Waste management in my high school. In which we have won a national competition in the year 2015.

## Certifications

2019-03 Participated in the Industrial Visit of Regional Telecom Training Centre BSNL

2019-03 Won second place for Paper presentation in SPIKE2K19 conducted by BIHER

2019-03 IOT workshop by LEMA labs

2018-08 Participated in CL InQuizitive Minds

## Languages

English



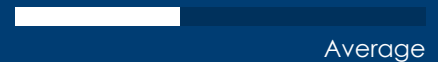
Hindi



Telugu



Tamil



## Interests

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Photography

Cooking

Exploring new places and foods

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## Hobbies

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MY hobbies are

- I'm a nature and portrait photographer. I regularly upload the photos which I've taken in Instagram too.
- I like to travel and explore new places. Back in India, i used go to a new place every weekend and explore that places nature and beauty.
- I'm a foodie who like explore new cuisines and different foods around the world.
- I also love to cooking. I especially good at cooking Indian Curries.