

# Adyasha Sahoo

## PhD | IIT Roorkee

Electrical Engineering  
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## Education

*2021-PRESENT*  
PHD, EE  
IIT Roorkee  
CGPA : 9.78/10

*MAY 2021*  
M.TECH, EE  
NIT Rourkela  
CGPA : 9.10/10

*MAY 2019*  
B.TECH, EE  
VSSUT, Burla  
CGPA: 8.89/10

## Links

LinkedIn:// [adyasha-sahoo](#)

## Skills

GENERAL PROGRAMMING  
MATLAB, GAMS, C++, Python  
LANGUAGES  
English, Hindi, Odia

## Relevant Courses

Computer Aided Power System Analysis  
Power System Operation and Control  
Distribution System Analysis and Operation  
Power System Planning  
Wind and Solar Energy Systems  
Soft Computing  
Python Data Structures  
Machine Learning  
Neural Networks & Deep Learning  
Improving Deep Neural Networks

## Work Experience/Projects

*2021-NOW* **Current Project** **PhD Scholar**  
**Topic: Coordinated Operation of Transmission & Distribution Systems**

Provision of various ancillary services with the co-ordination between T & D operators using various resources installed within them.

*2019-2021* **MTech Project**  
**Topic: Optimal Rescheduling of Load and Generation based on Model Predictive Control**

The stability of a vulnerable system can be enhanced by rescheduling load and generation. The optimal steps for this transition is based on the MPC.

*2018-2019* **BTech Project**  
**Topic: AC wave generation from PV module**

Simulation and hardware implementation of AC wave generation from solar PV module using MPPT.

*MAY-JUN 2018* **OHPC, Burla** **Summer Intern**  
**Topic: Generation of electricity from hydro-power**

Operation and maintenance of generating units, 132kV and 11kV switching equipments, water and high pressure oil pumps.

*MAY-JUN 2016* **CTTC, BBSR** **Summer Training**  
**Topic: Industrial Automation using PLC**

Introduction to one line diagram and wiring, basics of PLC and application of electrical drivers.

## Achievements/Certifications

*2022* **Medal Winner** **Branch Topper**  
Received branch topper medal for securing first position in Mtech in EE with a specialization in power systems engg.

*2020* **Machine Learning** **Coursera**  
Completed a course on ML offered by Stanford University.

*2019* **EE GATE**  
Qualified GATE in EE with a score of 591 (95.5 percentile).

## Extra Curricular Activities

*2018* **Team Head, Management Team** **Resonance**  
I have led a team of 5 members for the Annual Branch Fest of VSSUT.

*2016* **Volunteer** **NSS**  
I have been part of various awareness and cleanliness camps carried out in and near the institute.