

# Rupesh Malayanur

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## Education

<b>National Institute of Technology Calicut</b> Master of Technology, Power Systems, 7.48	Kozhikode, Kerala 2020
<b>National Institute of Technology Durgapur</b> Bachelor of Technology, Electrical Engineering, 7.87	Durgapur, West Bengal 2017
<b>Narayana Junior College</b> Intermediate, 96%	Vijayawada, Andhra Pradesh 2012
<b>Keshava Reddy School</b> 10th Class, 92.7%	Kurnool, Andhra Pradesh 2010

## Skills

**Technical Skills:** C, Python, SQL, Numpy, Pandas, Java, HTML, CSS, MATLAB & Simulink

**Computer Skills:** MS Office (Word, Excel, PowerPoint)

## Work Experience

- ❖ Role: Systems Engineer  
Company: Infosys Ltd  
Duration: 21th June, 2021 - present  
Technologies: IBM MQ & IIB

## Projects

### **Power Sharing Control of Islanded Microgrid with Improved Droop Control** Aug 2019

The objective is to achieve accurate active and reactive power sharing between distributed generation units and loads.

**Technologies:** Simulink

- ❖ Modelled the Islanded Microgrid consisting of two distributed generation units, inverters and load.
- ❖ Modelled the control circuit to control active and reactive power sharing.

### **Load Flow Analysis using Newton Raphson Load Flow Method** Aug 2016

The objective of Load Flow Analysis is to determine the steady state operating characteristics of the power system network.

**Technologies: MATLAB**

- ❖ Programmed the code for performing load flow analysis using the Newton Raphson Load Flow Method with the help of MATLAB software.
- ❖ Performed Load Flow Analysis for IEEE 14, 30 and 57 bus systems.

**Industrial Exposure**

- ❖ Industrial visit at 220KV KSEB substation, Areacode, Kerala.
- ❖ Industrial visit at Kothagudem Thermal Power Station, Telangana.

**Achievements**

- ❖ Qualified in GATE 2021 with an All India Rank 3186.
- ❖ Qualified in GATE 2018 with an All India Rank 4647.

**Languages Known**

- ❖ English, Telugu and Hindi.