

# ADARSH J

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## SUMMARY

An Enthusiastic Electrical Engineering Graduate having practical knowledge of substation setup.

Hands on experience in **leading the projects, delivering the projects on time, leading team. Created documentation & built reports** to ensure project closure with quality.

Developed circuits and machine design interfaces using MATLAB & DIALux. Willing to Learn and adapt to newer technologies and different setups.

## EXPERIENCE & PROJECTS

### KERALA STATE ELECTRICITY BOARD (KSEB) 220 kV SUBSTATION

May 2020 – Apr 2021

Worked as Graduate Trainee at Kerala State Electricity Board (KSEB) 220kV substation.

- **Delivered Maintenance Project work** on Current Transformer, Potential Transformer, Current Voltage Transformer (CVT), Lightening Arrestor for the organization
- **Managed 6-7 workers**, ensured the **project is completed on time** without delay
- **Conducted Quality checks for the maintenance project** by ensuring lubrication of moving parts in pantograph isolator for mobility in a timely manner
- Periodic Oil top-up in 160MVA Transformer to avoid oil decay
- Gained Knowledge on Gas Insulated Substation (GIS)

### COCHIN INTERNATIONAL AIRPORT LTD (CIAL)

Dec 2017– Feb 2018

Developed Airport High Mast Light Controlling Mechanism using MATLAB and DIALux

- **Led the project effort and published report document.**
- **Team Lead** for the project to ensure the **project quality is maintained** and delivered on time.
- Used Power Line Modem & controlled High Mast Lights by a distant Computer through the transmission line
- Used Arduino Board for accepting input from the User and response from the relay.

## EDUCATION

### BACHELOR OF TECHNOLOGY: CUSAT (COCHIN UNIVERSITY)

2014 – 2018

**Electrical and Electronics Engineering** gaining extensive knowledge on Control Systems, its functioning & transfer function parameters.

## KEY SKILLS

- Displayed Project Management skills in various projects handled with clarity of thought and quality
- Load Calculation: Designing Electrical Load depending on apparatus.
- Electrical Drawing: Sketching Single Line Diagram, Transformers, Motors, Generators, Electric Towers.
- Electrical Wiring: Selecting the type of cable depending on the voltage drop.
- Relay Troubleshooting: Detection of faults in the wiring system.