

# Arif Mohammed

Roll No.:1913039

B.Tech - Electrical Engineering

National Institute Of Technology Silchar, Assam

+91-7637015541

mohammedarif1612@gmail.com

Github

linkedin

## EDUCATION

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- **National Institute of Technology, Silchar** 2019-2023  
*B.Tech in Electrical Engineering* CGPA: 8.78
- **K.V NIT Silchar** 2019  
*Senior Secondary Exam (12th) , CBSE Board* Percentage: 86.2
- **Saint Capitanio School , Silchar** 2017  
*Secondary Exam (10th) , CBSE Board* CGPA: 9.4

## EXPERIENCE

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- **AEGCL (Intern)** May 2022 - Jul. 2022  
Silchar
  - Gained and developed experience on how the power grid runs , how the faults are maintained in the system, how the automation system works and how electricity is transmitted to other substation through transmission lines.
  - Observed feeder line with the use of fault detecting instruments and proper precaution gear also performed maintenance of transformer and checked the proper working of relays .
  - Performed routine check of battery bank along with study of different charging modes of the batteries.

## PROJECTS

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- **News Web** Github
  - Developed a basic News Website
  - Used Bootstrap and basic HTML,JavaScript, CSS to design the front-end
  - Used API to get a HTTP request for getting the latest news
- **Note Manager** Github
  - Tools used: MongoDB , Express , React , Node
  - Designed and implemented the MERN stack to perform basic CRUD operations.
  - Used MongoDB Compass to store notes and React to design the frontend
- **Solar Power prediction using Machine learning** Github
  - Tools/Libraries used : Pandas , NumPy, Matplotlib, Scikit-learn
  - Processed the data set to improve the performance of the model.
  - Built and trained a different model using different algorithms to predict the PV power generated at various locations based on dynamic weather parameters.
  - Used A Meta Learner model to combine all the models and get the best results from each model

## TECHNICAL SKILLS

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- **Programming Languages:**  
Proficient: C++, C, Python, JavaScript, MySQL || Familiar : HTML, CSS, MongoDB
- **Libraries/Framework:** C++STL, Pandas, Node.js , React js, Express js

## COURSE WORK

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- **Computer Science:** Data Structure and algorithm , Computer Networks , Operating system
- **Electrical:** Control Systems, Modern Control System

## EXTRA CURRICULAR ACTIVITIES

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- Taught the students of KV NITS privately for preparation of Engineering Exams(JEE).
  - Volunteered for helping the needy in the nearby village of the institute held by Gyansagar club
  - Volunteered for the event - Northeast Green Summit
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