

# MEDHA ARAVIND

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Data analyst with a background in electrical engineering. Earned a certificate from University of California, Berkeley's Data Analytics and Visualization Boot Camp. Extremely enthusiastic about using my skills of coding and programming to find solutions for everyday problems and help businesses succeed. Team-oriented worker with the ability to lead and collaborate with people in diverse groups.

## Education

**University of California, Berkeley**

April 2021

Data Analytics BootCamp

Grade A+

**Jawaharlal Nehru Technological University, Hyderabad**

June 2018

Bachelor of Technology, Electrical and Electronics Engineering

GPA-3.30/4.00

## Technical Skills

Languages : C, C++, Python, SQL, NoSQL, R, JavaScript, HTML5

Applications : GitHub, MongoDB, PostgreSQL, Flask, Tableau

Tools : Excel, Pandas, Jupyter Notebook, Spyder

## Work Experience

**Interned at 220/132/33KV Substation, Hyderabad**

May 2017 – Aug 2017

- Was trained in the methods of automating various elements of a power station and trained specifically in Data Acquisition from protective relays and Transducers.

## Projects

**ETL Project | [GitHub Link](#) :**

To investigate the correlation between the proportion of each US state's privately owned electric cars and the proportion of each of those states' total votes in the 2016 Presidential election received by individual political parties.

- Role: Sole Author
- Tools: Jupyter Notebook, Python, MongoDB

**Project ZZZ | [GitHub Link](#) :**

To answer specific questions pertaining to three major aspects of data (text, time frequency of messages and picture and emoji messages) that is exchanged via messages on Slack.

- Role: Team member
- Tools: Jupyter Notebook, Python, Slack API

**Project Shutdown | [GitHub Link](#) :**

To analyse the effect of the global pandemic, COVID-19, on the registered businesses in the city of San Francisco.

- Role: Team member
- Tools: Jupyter Notebook, Python, CSS, HTML5, JavaScript, Flask, D3.js, Chart.js, Plotly.js and Leaflet

**Weather Visualization Website | [GitHub Link](#):**

Extracted data from the OpenWeatherMap API to assemble a dataset of over 500 random selected cities, and assembled the dataset using Matplotlib to plot various aspects of weather versus latitude and then building a website to provide for the source data and visualizations created as part of the analysis.

- Role: Sole Author
- Tools: Jupyter Notebook, Python, OpenWeatherMap API, HTML5, CSS, Matplotlib

**UFO Sightings Website | [GitHub Link](#):**

Created a website to log UFO sightings

- Role: Sole Author
- Tools: JavaScript, HTML5, CSS

**Project, Design of Power Supply control from four different sources**

- The objective was to provide uninterrupted power supply to a load, by selecting the supply source automatically from any available one out of sources: Main source, Generator source, Inverter source and Solar Source in the absence of power supply.

