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## PROFILE

Experience with

React js, Redux, Hooks, HTML5, CSS3, JavaScript (ES6),

Python, Jupyter Notebook, Pandas, Excel,

Regression Analysis, Clustering Techniques, Machine Learning

## SKILLS

HTML5, CSS3, & JavaScript / ES6

React Js, Redux, Hooks

Git/GitHub, VS Code

Python, Pandas, Excel, Jupyter Notebook

Regression Analysis, Clustering Techniques

# TEJASWI KOTA

Front End Developer & Data Analyst

## PROJECTS

### COVID-19 Daily Statistics

[Code](#)

📅 Apr 2020

React.js, Redux, CSS, Jupyter Notebook, Axios, Python, Google API and GitHub

This website presents the daily statistics of COVID-19 cases for the first 30 countries on the list. Raw Data fetched from John Hopkins repository is wrangled using Jupyter notebook into the required data form.

### Sydney Vs Melbourne — Top Venues Categories

[Code](#)

📅 Apr 2020

Jupyter Notebook, Python, Web Scraping, JSON, Excel, Pandas, Seaborn, Matplotlib, K-means Clustering, GitHub

A comparative study of the top 10 venue categories in Sydney and Melbourne. Around 4000 venues details fetched from Foursquare API. The distances of each venues from suburbs, top venues of each suburbs were clustered and compared for both Sydney and Melbourne

### Sydney Vs Melbourne: Train Connectivity

[Code](#)

📅 Apr 2020

Jupyter Notebook, Python, Web Scraping, JSON, Excel, Pandas, Seaborn, Matplotlib, K-means Clustering, GitHub

Analysis comparing how well Sydney and Melbourne's suburbs are connected by train. All the suburbs in each city are also classified into five clusters using k-means clustering algorithm based on their proximity to any train stations as well.

### COVID-19 Data Collection

[Code](#)

📅 Apr 2020

Jupyter Notebook, Python, Web Scraping, JSON, Excel, Pandas, GitHub

Download the daily data wrangled COVID-19 statistics for all countries in the click of a button.

### Web Scraping using BeautifulSoup made easy!

[Code](#)

📅 Apr 2020

GitHub, React.js, Redux, CSS, Jupyter Notebook

A Detailed Step by Step Tutorial to extract information you need from any Wikipedia page

## EDUCATION

**Data Science Professional Course**  
Online-Certification  
**IBM Data Science Professional**

Feb-2020 – April 2020

**Modern React with Redux [2020 Update]**  
Online-Certification  
**Udemy**

Feb-2020 – April 2020

**MTech**  
Full-Time  
**Indian Institute of Technology-  
Gandhinagar IIT-GN**

July-2012 – April 2014

**BTech**  
Full-Time  
**Sri Venkateswara University  
College of Engineering SVUCE**

Sept-2008 – April 2012

## EXPERIENCE

**Structural Engineer (Casual)**  
**ClearCalcs**  
Sep 2019 - Present  
Mel, Australia

- Developed a cloud-based calculator for development length calculation in concrete members.
- Worked on updating and testing for unit awareness of the existing Australian standard Steel and Concrete section design calculations.

**Design Engineer**  
**KotaCorp**  
Jan 2018- Sept 2018  
Hyderabad, India

- Worked on analysis and design of a 13-storey commercial building and a few residential projects using Etabs, Excel, MATLAB and StaadPro

**Design Intern**  
**PEBS Pennar**  
Nov 2017 – Jan 2018  
Hyderabad, India

- Investigated in detail the design files and AutoCAD drawings of several Industrial steel buildings and warehouses and developed a few design files for the design of Gantry Girder, wind load analysis and many other calculations.

**Assistant Professor**  
**VNR-VJIT & VRSEC**  
Apr 2015- Nov 2017  
Hyderabad, India

- Ensure suggested knowledge transfer to the students as per the syllabi, with the help of lectures, assignment, handouts and practical trainings
- Collaborate with academic/administrative committees to suggest on institutional policies and academic matters
- Supervise students' project works and evaluate grades on tests, seminars and projects.

## REFERENCES

Available Upon Request