

# TEJASWI KOTA

Front End Developer & Data Analyst



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<https://tejaswi2737.github.io/Portfolio/>



0481984681

## SKILLS

React JS, Redux, Hooks, HTML5, CSS3,  
JavaScript / ES6, Enzyme, Node JS

Python, Pandas, Excel, Jupyter  
Notebook

Data Wrangling, Regression Analysis,  
Clustering Techniques, Machine  
Learning, Web Scraping

Git/GitHub, GitLab CI/CD, VS Code,  
Swagger

Jira, Scrum, Kanban, Confluence

## PROJECTS

### COVID-19 Daily Statistics

[Code](#)

📅 Apr 2020

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

This website presents up-to date COVID-19 cases Data for the first 30 countries on the total cases registered 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](#)

📅 May 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 8000 venue details are 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](#)

📅 May 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 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 Beautiful Soup made easy!

[Code](#)

📅 May 2020

Python, HTML, Bs4 , CSS, Jupyter Notebook, GitHub

A Detailed Step by Step Tutorial to scrape information you need from a webpage using

## 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 (MS- Structural Engineering)**  
Full-Time

**Indian Institute of Technology-  
Gandhinagar IIT-GN**

July-2012 – Feb 2015

**BTech (BS- Civil Engineering)**  
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-VJIET & 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