# Deepak Dhankani

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## EDUCATION

### CORNELL UNIVERSITY
Weill Cornell Medicine
**M.S.** Biostatistics & Data Science
Aug 2020 | New York, NY

### TEXAS A&M UNIVERSITY
College of Engineering
**B.S.** Mechanical Engineering
May 2016 | College Station, TX

## LINKS

Github:// **moneykani**
LinkedIn:// **deepakdhankani1**
Twitter:// **@deepak_dhankani**

## COURSEWORK

### GRADUATE
Machine Learning
Biostatistics
Data Science
Study Design
Categorical Analysis

### UNDERGRADUATE
Programming in C
Data Structures
Numerical Analysis
Calculus 1,2,3
Differential Equations
Linear Algebra

## SKILLS

### PROGRAMMING
- Python
- SQL
- R
- HTML
- CSS (Bootstrap)
- JavaScript
- JQuery

### ENGINEERING
- CAD
- Arduino
- Finite Element Analysis
- Machining

## SUMMARY

I am a **data scientist** with experience in designing, configuring, and implementing **end to end analytics solutions**. I have worked on a wide breadth of technologies with developers, solution architects, and consultants to deliver data insights to clients. I am currently pursuing graduate studies and looking for full-time role starting Summer 2020.

## EXPERIENCE

### MODEL N | Data Engineer
Nov 2016 - May 2019 | Waltham, MA
- Created data pipelines that tied data from multiple sources to feed a sales analytics platform
- Automated ETL processes by writing Python scripts for Jenkins to help trigger jobs from a single UI
- Built ETL tracking dashboard using Drupal to decrease failure response time
- Developed SQL code for new features in analytics applications and worked with focussed on improving query response times
- Collaborated with cloud engineers to migrate on premise applications to AWS
- Configured sandbox environments in AWS for internal teams to test scenarios
- Led discussions with users to come up with improvements and changes to help them extract better value from the SAAS platform

### HALLIBURTON | Mechanical Engineering Co-op
Jan 2015 – Aug 2015 | Houston, TX
- Modified and automated metrology testing procedures (using Python) to increase efficiency
- Developed and automated a mathematical model that yielded projections of complex cutting areas while drilling rock

### EMERSON | Mechanical Engineering Intern
May 2013 – Aug 2013 | Houston, TX
- Developed a procedure to estimate the uncertainty in flow measurement systems that consisted of multiple instruments

## PROJECTS

### UNSUPERVISED LEARNING
Working with **Dr. Elizabeth Sweeney** to develop PCA and clustering techniques to segment lesions in brain MRI scans of patients with multiple sclerosis.

### INTERACTIVE DASHBOARD
Developed an application using **Shiny Apps in R** that helps restaurants evaluate the environment impact of their order of different types of beef. The application has a dynamic interface that updates the number of input fields per the user's input.

### STATISTICAL ANALYSIS
Performed an in depth biostatistics study on a cancer data-set to analyze the effects of various factors on the proportion of prostate cancer cases. Obtained conclusive results by using proportionality test, correlation test, t-test.

### DATA WRANGLING
Inspected various data-sets (US storms, NYC Airbnb rental, etc) by using data wrangling techniques (such as filtering, grouping, merging) and visualized the data to extract valuable insights.