

# Deepak Dhankani

deepakdhankani.com

| ded4001@med.cornell.edu

| 979.402.6753

| New York, NY

## 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:// [deepak915](#)  
LinkedIn:// [deepakdhankani1](#)  
Twitter:// [@deepak\\_dhankani](#)

## SKILLS

### PROGRAMMING

- Python
- SQL
- R
- HTML/CSS
- JavaScript
- JQuery

### DATA SCIENCE & ML

- Pandas/Numpy
- Matplotlib/Seaborn
- Scikit-Learn
- Pytorch
- Tensorflow
- Tidyverse (R)

### ENGINEERING

- CAD
- Arduino
- Machining

## COURSEWORK

- Machine Learning
- Biostatistics
- Regression Analysis
- Data Science
- Study Design
- Survival Analysis
- AI in Medicine
- Big Data in Medicine
- Operations Research in Healthcare
- Linear Algebra
- Data Structures & Algorithms

## EXPERIENCE

### MODEL N | WALTHAM, MA

Technical Account Manager | Aug 2018 - May 2019

- Developed new features and presented proof of concepts to potential customers to boost revenue generation
- Configured sandbox environments in AWS for internal teams to test new features and replicate scenarios
- Led discussions with users to come up with improvements and changes to help customers extract better value from the SAAS platform

Data Engineer | Nov 2016 - Aug 2018

- 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 focussed on improving query response times

### HALLIBURTON | HOUSTON, TX

Mechanical Engineering Co-op | Jan 2015 - Aug 2015

- Modified and automated metrology testing procedures using Python to increase testing efficiency
- Developed and automated a mathematical model that yielded projections of complex cutting areas while drilling to help with design considerations

### EMERSON | HOUSTON, TX

Mechanical Engineering Intern | May 2013 - Aug 2013

- Developed a model to estimate the uncertainty in natural gas flow measurement systems to help with better tracking of gas in during processing

## PROJECTS

### SUPERVISED LEARNING

- Used 3 years of claims and prescription data to build a model to **predict patient hospitalizations** to ensure better preventive care for high risk patients. Compared the effectiveness of decision tree, logistic regression, and random forest models.
- Analyzed the FIFA 2019 player data-set and built a multiple linear regression model to **predict player ratings** based on other performance attributes. Tested for correlations, collinearity, homoscedasticity, normality to tune model parameters and improve predictions.

### UNSUPERVISED LEARNING

- Working with Dr. Elizabeth Sweeney to develop **image processing** and classification to segment and analyze lesions in brain MRI scans of patients with multiple sclerosis.
- Developed a **customer segmentation** model using K-Means clustering on an online shopping dataset.

### BIOSTATISTICS

- Conducted a study on prostate cancer patients data to analyze patterns in **diagnosis trends** with changing policy landscape. Obtained conclusive results by using proportionality test, correlation test, t-test, chi-squared test.