

# Mihir K. Patel

Data Sci & Analytics Student

## CONTACT



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[opensurgesurgeon](https://github.com/opensurgesurgeon)



<https://opensurgesurgeon.github.io/>



[@opensurgesurgeon](https://twitter.com/opensurgesurgeon)

## PROGRAMMING

R, Python, C++, C, JavaScript

## CERTIFICATES

### 2019

R, R Advanced, Python,  
C++ Advanced

### 2018

JavaScript, C, C++

## EDUCATION

### Data Science & Analytics, B.S.

University of South Florida  
Tampa, 2019 - Current

### Computer Science, Non-Deg.

University of South Florida  
Tampa, 2018 - 2019

### General Engineering, A.A.

Hillsborough Community College  
Tampa, 2013 - 2016

## AWARDS

### Dean's List

Spring '14, '15, '20

Fall '13, '14, '19

### Award

Student Excellence Award '16

## EXPERIENCE

### Undergraduate Research Assistant

University of South Florida, Tampa, FL / August 2019 - Present

- Data munging on the data collected from various government and social media data sources
- Building tools for data visualization and exploratory analysis with R

### Summer Research Intern

University of South Florida, Tampa, FL / March 2020 - Present

- Write programming scripts to facilitate everyone's work
- Working with SLURM and process "big-data"
- Forming Information Entropy using Information-theory

### Tutoring

University of South Florida, Tampa, FL / March 2020 - Present

- Teaching assistant for Intro. to Data Science class
- Helping students with their R programming assignments

Hillsborough Community College, Tampa, FL / August 2016 - Present

- Routinely help students who are taking courses such as Raptor, C, C++ and Java, and Statistics, Algebra and Pre-Calculus
- Aiding classmates and partake in after-school study groups to clear doubts or explain topics covered in our classes

### I CAN!

- Communicate my ideas effectively, and formulate (workaround) solutions through research and background knowledge
- Work and contribute towards a team's success
- Code and design an application
- Collect data and tell-a-story via visualization tools

## RELEVANT COURSEWORK

### Mathematics

Algebra, Pre-calculus & Trigonometry, Calculus I-II-III, Differential Equations, Statistics, Advanced Statistics & Analytics, Engineering Economics, Macro Economics, Linear Algebra, and Discrete Mathematics

### Sciences

Physics I-II with Calculus, Chemistry I, Marine Biology, Sociology, Psychology, Computer Organizations, Program Design with C, Data Science with R, Objective Oriented Programming with C++, and Data Structures & Algorithms with C++

### Arts

English I-II, Engineering Communications, Psychology, Sociology, Public Speaking