# Sahit Kavukuntla

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Computer Science student well versed in Java and Python seeking summer internship in software engineering or data science to strengthen technical skills and learn to work in a team in a professional context.

## EDUCATION

**Georgia Institute of Technology**, Atlanta, GA                    Aug 2020-Expected Apr 2023
Dean's List Recipient; Honors Program
GPA: 3.8/4.0
B.S. in Computer Science; Concentrations: Intelligence, Theory, Systems & Architecture
*Relevant Coursework:* Object Oriented Programming, Statistics and its Applications, Linear Algebra, Multivariable Calculus, Data Structures and Algorithms, Discrete Math, Computer Organization and Programming

**Archbishop Mitty High School**, San Jose, CA                    Aug 2016-May 2020
GPA: 3.9/4.0; ACT: 35
*Relevant Coursework:* AP Calculus AB, AP Calculus BC, AP Physics C: Mechanics, AP Physics C: Electricity & Magnetism, AP Computer Science A, Differential Equations

**Carnegie Mellon University**, Pittsburgh, PA                    Jul 2019-Aug 2019
AP/EA Program
*Relevant Coursework:* Principles of Computing, Introduction to Electrical and Computer Engineering

## PROJECTS

**Variable Factors and the Epidemiology of COVID-19**                    Feb-May 2020
Differential SIR Model
- Modeled spread of COVID-19 using sustainable-infected-recovered population differential equations in MATLAB based on spread data from South Korea
- Studied effects of seasonal transmissions, vaccines, and social distancing/masks

**Predicting the Result of the Last Game of the NBA Finals**                    Oct-Dec 2019
Markov Stochastic Chain Analysis
- Used results of 30 years of NBA finals to theorize which team would win the next year's championship; accurately benchmarked and predicted 2019 NBA Championship winner
- Adapted to fit most sports based on previous data, adjusted for limited sample sizes when necessary

## ACTIVITIES

**FRC Robotics**, Archbishop Mitty High School                    Sep 2016-May 2020
Subsystems Lead, Strategy Lead
- Subsystems Lead: taught 14 new members the basics of mechanical systems, led design and fabrication of cargo manipulation subsystem on 2019 robot
- Strategy Lead: analyzed and wrote game strategy for 2018 season, communicated with other teams, and managed team research on 60 other teams to create in-match strategy
- Wrote computer vision tracking software to automate positioning and shooting mechanisms

**Tech Team**, Archbishop Mitty High School                    Jan 2017-May 2020
Lead Tech
- Managed support requests and maintenance for 1900 student/teacher iPads, 200 faculty/staff MacBooks, and 100 classroom Apple TVs
- Trained team of 20 students in device care, diagnosis & resolution procedures, and customer interaction
- Supervised audio and video interfaces for 11 school events per year, each with 50-500 attendees
- Apple Certified iOS Technician (2019) and Apple Certified Macintosh Technician (2019)

## SKILLS

- Programming Languages: Java, Python, C, SQL, MATLAB, Swift
- Web/Design: Microsoft Office Suite, Adobe Suite, UI Design (JavaFX, Tkinter)
- Operating Systems: OSX, iOS, Windows, Linux (Ubuntu, RedHat), Docker Container
- Fluent in English, Telugu, Spanish