

Ashutosh M. Chakragiri



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High School Senior dual-enrolled at Georgia Tech with qualitative achievements in academics and extracurriculars. Aspiring Data Scientist progressively working towards a career in Machine Learning and Artificial Intelligence. Effective communicator with strong analytical skills and sound work ethic who can maintain rigor and pace both, as individual contributor and in a team setting. Service-minded with passion for making a positive difference to the community.

Education

Dual Enrollment, Georgia Institute of Technology

Fall 2020

- Courses: MATH 1554 Linear Algebra, MATH 2551 Multivariable Calculus

Dual Enrollment, Georgia State University

Spring 2020

- Courses: MATH 2420 Discrete Mathematics (4.0/4.0), ENGL 1101 English Composition I

Rising Senior, Northview High School, Johns Creek, GA

Class of 2021

- Academic and Standardized Exam Scores:
 - **GPA:** 97.8
 - **SAT:** 1550/1600
 - **AP Courses:** AP US Government (5/5), AP Calculus BC (5/5), AP Statistics (5/5), AP Computer Science A (4/5), AP Biology (4/5), AP Physics 1 (4/5), AP US History (4/5), AP Language (3/5)

Experience

Internship at Drones iVue

Sept 2020 – Present

Developing an AI algorithm for autonomous drone collision avoidance system.

COVID-19 Tracker Web Application

May 2020 – Present

One of the 150 idea submissions selected by Johns Hopkins University for a COVID-19 Innovation Challenge. Developed application for self-reporting COVID cases, along with geolocation, to help manage hospital resources based on case density.

Code Up – Free live virtual coding lessons

Jun 2020 – Present

Created lesson plans and taught Web Design (HTML, CSS, and JavaScript) and Python to middle and high school students.

Northview Web Team

2019 – 2020

Developed and maintained Northview High School's website.

Hackathon, Google Atlanta, GA

2017 – Present

Competed in two hackathons:

- Google Atlanta Goodie Nation Hackathon for Development to #HackCancer + #HacksSTDs – Developer on team building web application to help cancer patients finding resources and answering FAQs.
- #HackTheViolence Hackathon for Developers – Developer on team building mobile app to inform international students about campus and cultural activities so they can better assimilate with their peers.

Ocee Public Library, Johns Creek, GA

Jun 2016

Volunteer Helper – Catalogued books, stacked shelves, and assisted in front-desk activities.

Technical Skills

Python • Node.js • React • Vue.js • Firebase • MongoDB • Git • PHP • SQL • MATLAB • Octave • Java • C/C++ • HTML • CSS • JavaScript • XML • CAD • Microsoft Word • Microsoft Excel

Leadership and Volunteering

Secretary of State Student Ambassadors Program **2020 – Present**

- Highly selective and competitive program, sponsored by the Georgia Secretary of State's Office, to increase civic engagement within the community.
- Organized and moderated debate between Georgia Senate District 48 candidates.
https://www.youtube.com/watch?v=6XHTfq_PfCM&t=13s

Student Leadership Johns Creek **2019 – Present**

- Two-year community service program; selected for class of 2021.
- Volunteered at The Drake House – 2019-2020
 - Taught essential technology and leadership skills to children of single mothers.

U.S. Department of Energy Science Bowl **2017 – Present**

- Co-founder, Captain of Northview High School's Team.

Northview HS Programming Club **2017 – Present**

- Vice president and head instructor.

Awards and Honors

Hackathons **Jul 2018**

- Google Atlanta Goodie Nation Hack Cancer + STDs – Won award for best in class application.

U.S. Department of Energy Science Bowl **2017 – Present**

- 1st Place at 2020 State Qualifier
- 3rd Place at 2019 State Championship
- 2nd Place at 2019 State Qualifier
- 3rd Place at 2018 State Qualifier

Future Business Leaders of America **2018 – Present**

- Invited to represent Georgia at the 2019 National Leadership Conference in Intro to Information Technology.

American Computer Science League **2017 – Present**

- Placed top 100 in the country (2018-19).

Science Olympiad **2017 – 2019**

- 2nd Place at 2018 State Qualifier in Astronomy.
- 2nd Place at 2018 State Qualifier in Dynamic Planet.

Leisure

Violin • Soccer • Basketball • Tennis • DIY • Swimming • Biking