

# TUSHEET SIDHARTH GOLI

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## EDUCATION

**Georgia Institute of Technology**, Atlanta, GA

December 2021

*Candidate for Bachelor of Science and Master of Science, Computer Science, Concentration in Intelligence and Information-Internetworking, Minor in Mathematics*

Cumulative GPA: 4.00/4.00

Relevant Courses: Advanced Algorithms Analysis, Machine Learning, Data Structures and Algorithms, Artificial Intelligence, Applied Combinatorics, Discrete Math, Object-Oriented Design, Computer Systems and Networking

## WORK EXPERIENCE

**SameTunes LLC**, Atlanta, GA | sametunes.com

May 2020 - Present

*Co-founder, Head of Algorithm Design*

- Presented pitches and weekly team updates to Georgia Tech Create-X coaches in Summer 2020 (15,000 users)
- Architected and developed PHP web application with React and Bootstrap frontend and MySQL backend stack

**Hisense USA Multimedia R&D Center**, Atlanta, GA

May 2019 - Aug 2019

*Software Engineering Intern*

- Worked on Automatic Content Recognition (patent) by integrating Hisense software with Alphonso API (in prod)
- Redesigned the Hisense Product Registration (Android service software) to support one-click device registration
- Developed an Android service software to track user TV usage patterns for statistical analysis and dogfood testing

**Georgia Institute of Technology**, Atlanta, GA

August 2019 - Present

*Teaching Assistant: CS1332 Intro to Data Structures and Algorithms(current) & CS1331 Object-Oriented Design*

- Collaborated with other TAs to facilitate weekly recitation classes to 50 students
- Held weekly office hours to assist students in completing Java coding assignments and reviewing exam topics

## RESEARCH EXPERIENCE AND PROJECTS

**Georgia Tech Research Institute**, Atlanta, GA

August 2019 - Present

*Undergraduate Research Assistant*

- Implement NLP applications to analyze meaning and sentiment in text data using Genetic Machine Learning
- Increased evaluation accuracy by 27% by creating mating and mutation functions for CIFAR-10 X-Ray CV dataset

**Georgia Tech Database Group**, Atlanta, GA

*Undergraduate Research Assistant*

November 2018 - Present

- Built more responsive and 7% more efficient SQL compiler called 'SQL Check'
- Incorporated enhanced data processing techniques and resolved antipatterns in MySQL databases

## LEADERSHIP EXPERIENCE

**HackGT**, Atlanta, GA

Jan 2020 - Present

*Software Developer, Technical Operations*

- Organized HackGT (1000+ participant hackathon), BuildGT, and Horizons as an infrastructure software developer
- Mentored Atlanta high school students at Catalyst, a 200+ participant technical workshop and learnathon

**Phi Kappa Theta Fraternity**, Atlanta, GA

Jan 2020 - Present

*Treasurer, Vice President of Intellectual and Technological Development*

- In charge of Fraternity financial accounting and commanding officer for semesterly budget planning
- Implemented custom Slackbot, up-keep and maintenance of Digital Ocean server, and organized resume workshop

## HONORS AND AWARDS

Georgia Tech Dean's List and Faculty Honors recipient – Fall 2018, 2019, 2020; Spring 2019, 2020

## SKILLS

**Programming Languages:** Java(advanced), Python(advanced), C, C++, PHP, JavaScript, SQL, HTML, CSS

**Software:** Android Studio, Python Flask, React, NodeJS, Docker, Firebase, AWS Cloud Computing, Relational

Databases (MySQL, PostgreSQL), Bootstrap, jQuery, Advanced Slack Applications, Full-Stack Development, Git

**Languages:** English, Hindi, Telugu, Arabic

TOEFL iBT – 114/120

**Interests:** Computer Vision, Machine Learning, Data Analysis, App/Web Development, Entrepreneurship, Investing