

# TUSHEET SIDHARTH GOLI

tusheet10goli.github.io/Tusheet-Website/

github.com/Tusheet10Goli

linkedin.com/in/tusheet

tgoli3@gatech.edu

(470) 350-4410

## EDUCATION

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

December 2022

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

Cumulative GPA: 4.00/4.00

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

## WORK EXPERIENCE

**YugabyteDB**, Sunnyvale, CA

*Platform and Cloud Infrastructure Intern*

May 2021 - Aug 2021

- Implemented backed KMS security for encryption at rest and in-transit using HashiCorp Vault for Yugabyte Cloud
- Deployed Yugabyte Platform onto Yugabyte Cloud and worked on the API layer integrations for the cloud portal
- Architected Linux native systemd services and designed in-place cron to systemd upgrades on Yugabyte Platform

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

May 2020 – August 2020

*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 TV software with Alphonso API
- 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: Advanced Algorithm Design(current), Data Structures and Algorithms & Object-Oriented Design*

- Collaborated with other TAs to facilitate weekly review classes, preparing exams and homeworks 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

## 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, upkeep and maintenance of Digital Ocean servers, and organized alumni outreach

## HONORS AND AWARDS

Georgia Tech Dean's List and Faculty Honors recipient (4.0 GPA) – Fall 2018, 2019, 2020; Spring 2019, 2020, 2021

## SKILLS

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

**Software:** Docker, Firebase, AWS/GCP Cloud Computing, React, NodeJS, Android Studio, Python Flask, Relational Databases (MySQL, PostgreSQL), Bootstrap, jQuery, Advanced Slack Applications, Full-Stack Development, Git

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

TOEFL iBT – 114/120

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