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