# Nishant Sinha

County of origin/residence: United State of America

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## EDUCATION

**Georgia State University *[Honors College]*** — Atlanta, Georgia
Bachelor of Science in Computer Science // 3.58/4.00 GPA — 2016-2020

## PROGRAMMING LANGUAGES & SOFTWARE

Java, JavaScript/TypeScript, Kotlin, Dart, Elixir, Python, C, R, Bash

Linux, Git, Vim, Octave/Matlab, Anaconda, InVision, XD, InDesign, Illustrator, Photoshop, Windows, Mac, LaTeX, Word, Excel, PowerPoint

## EXPERIENCE

**NCR** — Atlanta, Georgia
*Global SRE, Software Engineer Intern* — 06/2020 – 08/2020
- Worked on the NCR Global SRE team to add Chef Kitchen tests to the SRE team's custom Terraform modules.
- Learned InSpec, a DSL of Ruby to write test cases.
- Created testing best-practices for the Global SRE team.

**Observe** — Atlanta, Georgia
*Co-Founder, Lead Technical Developer* — 03/2019 – 04/2020
- A mobile-application startup that helps students form a clearer picture of what opportunities their college degree will enable post-graduation through video Q&A.
- Managed a team of 3 software engineers to develop a backend in Elixir, a frontend using Flutter, and published on the Google Play Store.
- Managed finances and business development. Registered as a Georgia LLC.
- Winners of Georgia State's Envolve Award 2018, 1st place KnightHacks 2018, 1st place Georgia State BMC, top 5 at Schultz Entrepreneurship Challenge 2018.
- Participated in Georgia State's Seed Fund program.

**Student Government Association** — Atlanta, Georgia
*Campaign Chair, Georgia State University* — 02/2019 – 05/2019
- Ran the campaign effort for Freshman Ira Livnat during Georgia State University's 90th Student Government Association administration.
- Developed campaign platform, planned campaign efforts, and prepared the candidate for debates and voter base outreach. Connected the candidate with influential campaign contributors and established candidate's future SGA success.

**The Home Depot – OrangeWorks** — Atlanta, Georgia
*Software Engineer Intern* — 08/2018 – 12/2018
- Researching and documenting the requirements needed to create a computer vision application to measure objects in an image or series of images.
- Design and implement an Android application to detect the sizes of objects based only on visual cues for The Home Depot.

**Z/Yen Group** — London, England
*Fintech Consultant* — 05/2018 – 08/2018
- Solved financial and technological challenges facing the world's largest financial sector.

- Established the Commonwealth Commission on Smart Ledgers & Trade, a commission investigating the potential of smart ledgers to facilitate trade between the 53 Member States of the Commonwealth of Nations.
- Performed market research for the world's leading financial centres index: GFCI.
- Pooled financial investments for the October 2018 IPO of ChainZy.

### The Home Depot – OrangeWorks
*Software Engineer Intern*

Atlanta, Georgia
01/2018 – 05/2018

- Developed and tested potential high-tech consumer products like Phillips Hue Bulbs.
- Created an APIs to interface with the Hue Bulbs for displays at physical The Home Depot stores.

### Georgia State University – Department of Computer Science
*Undergraduate Teaching Assistant*

Atlanta, Georgia
01/2018 – 05/2018

- Graded assignments, quizzes, and exams for the Introduction to Programming II course.
- Held tutoring hours for freshman, sophomore, and junior computer science courses.

### GE Power
*iOS Developer Intern*

Atlanta, Georgia
08/2017 – 11/2017

- Developed internal GE iOS applications.
- Used XCode 8.3 and worked in a scrum team to add features to a currently existing app and start development on a new app.

### GE Digital
*Software Engineer Intern*

New Orleans, Louisiana
06/2017 – 08//2017

- Developed GE industry software with senior and junior developers with Angular 2 following Scrum methodologies.
- Wrote the standard end-to-end testing framework for GE Digital in Selenium and Protractor.

### Georgia State University – Department of Computer Science
*Undergraduate Researcher*

Atlanta, Georgia
2016 - 2017

- Modeled bicyclists' turning behavior with machine learning and developed an Android application to automatically signal when turning is detected.
- Researched under Dr. Ashwin Ashok at Georgia State University and awarded second place at Georgia State Undergraduate Research Conference 2017.

## NOTABLE CLASSES

| | |
|---|---|
| - Coursera Probabilistic Graphical Models I | Summer 2019 |
| - Introduction to Deep Learning | Spring 2018 |
| - Masters level Software Security, Masters level Parallel and Distributed Computing | Fall 2018 |
| - Operating Systems, Programming Language Concepts, Software Engineering | Spring 2017 |
| - Introduction to: Machine Learning, Computer Information System, Information Security | Fall 2017 |

## AWARDS

### Presidential Scholarship
*Georgia State University*

Atlanta, Georgia
2016-2020

- A four-year scholarship awarded to the 10 students of the incoming class for consistent superior academic achievement, commitment to service, and inspiring personal qualities.

### Third Place NCR: Best Consumer Banking, Restaurant, or Shopping Solution
*HackGSU, Georgia State University*

Atlanta, Georgia
11/2019

- Presented PharmaFly, a drone delivery service for the elderly, ill, or disabled.
- Awarded third place and won Sonos speakers
- https://devpost.com/software/pharmafly

### ASSET Scholarship

Los Cabos, Mexico

*MobiCom 2019*                                                                                                      10/2019

- Awarded a graduate student outreach scholarship to enable travel to MobiCom '19.
- Paired with senior researchers to improve research presentation and statements.
- https://sigmobile.org/mobicom/2019/asset.php

**Second Place Poster Presentation**                                                                Los Cabos, Mexico
*MobiCom 2019*                                                                                                      10/2019

- Presented poster on an "In-situ Water-Quality Monitoring System through Ultraviolet Sensing using off-the-shelf Cameras."

**First Place Oral Presentation**                                                                       Atlanta, Georgia
*Sustainability, 13th Georgia State Undergraduate Research Conference*                        Spring 2018

- Presented research on "In-Situ Mobile Water Quality Monitoring System using Off-the Shelf Camera based Ultraviolet Spectrophotometry."

**Panthers in the Valley**                                                                              Atlanta, Georgia
*J. Mack Robinson College of Business, Georgia State University*                                    Fall 2017

- Robinson College's signature program in Silicon Valley.
- The program includes meetings with early stage start-ups, venture capitalists and technology stalwarts.

**Second Place Poster Presentation**                                                                    Atlanta, Georgia
*11th Georgia State Undergraduate Research Conference*                                          Spring 2017

- Presented research on "Smart Signaling for Bicycles Using User Riding Behavior."

**Best IoT Hack**                                                                                       Atlanta, Georgia
*HackGSU, Georgia State University*                                                                     Fall 2016

- Awarded the best IoT hack by General Electric and invited to apply to the GE Digital summer internship in New Orleans.

## UNIVERSITY ORGANIZATIONS

**President, Computer Science Club**                                                                     Atlanta, Georgia
Georgia State University                                                                            05/2019 – current

- Design and put on workshops focusing on various computer science topics for undergraduate students.
- Invite speakers to present research and to engage undergraduate students.

**1913 Ambassador Society**                                                                             Atlanta, Georgia
Georgia State University                                                                            05/2017 – current

- Act as an ambassador to the President of Georgia State University.
- Help run university-wide events and work as a steward for high-profile private events for the University President.

**Honors College Ambassador**                                                                          Atlanta, Georgia
Georgia State University                                                                            01/2017 – current

- Act as an ambassador for Georgia State University's Honors College.
- Give tours to prospective students, help table Honors College events, and provide feedback on Honors College initiatives.

**Student Advisor, Citizen Scholars Initiative (CSI)**                                                   Atlanta, Georgia
Georgia State University                                                                            09/2019 – current

- CSI is an organization focused on making long-lasting transformations in our surrounding community by starting and leading local projects before passing leadership to the members. We focus on outreach projects where we see a need that isn't being addressed.
- Helped start the organization, provide direction, and act as primary student contact.

**Head, SolveForX**                                                                                     Atlanta, Georgia
*PantherHackers*                                                                                  09/2017 – 12/2018

- SolveForX is an interest group within PantherHackers specializing in coding interview questions and algorithms. Interest groups are student-led, project-based, collaborative workshops.
- Workshops are semester-long; students meet weekly and learn on their own pace outside of the classroom.

**Chair of External Affairs, Executive Board**              Atlanta, Georgia
*PantherHackers*                                            01/2017 – 04/2017
- As the chair of external affairs, I worked with affiliates of PantherHackers and communicated with potential partners of the organization.
- As part of the executive board I directed organization events at a high-level and developed frameworks for the organization to follow as it expanded.
- While serving on the executive board PantherHackers went from 2 to 12 affiliate organizations and from 100 to 400+ members.

## PUBLICATIONS & PUBLIC SPEAKING

"In-situ Water-Quality Monitoring System through Ultraviolet Sensing using off-the-shelf Cameras." 21-25 Oct. 2019. Poster presentation. MobiCom 2019. Los Cabos, Mexico.

"In-Situ Mobile Water Quality Monitoring System using Off-the Shelf Camera based Ultraviolet Spectrophotometry." 20 Apr. 2018. Oral presentation, Sustainability. Georgia State University.

Georgia State University Presidential Scholarship Promotional Video. Jun. 2019. Video. Georgia State University Public Relations.

"GeoTono — a Universal GeoGnomo Encoding." 9 Aug. 2018. *Medium*. Z/Yen Group.

"Where in the World is 'Carbon.Sandy.Egos'?." 2 Aug. 2018. *Medium.* Z/Yen Group.

"Smart Signalling for Bicycles using User Riding Behavior." 4 Nov. 2017. Poster. *Georgia State University*, Natural and Computation Sciences.

Georgia State University President's Society Dinner. Featured speaker. 2017.

Georgia State University Scholarship Day. Featured speaker, Welcome Session. 2016.

## LANGUAGES, PROFICIENCIES & OTHER

- Proficient in English, Hindi, Latin; elementary in Korean and Japanese
- Strong in public speaking, market research, consulting, and project management
- Goldwater Scholarship applicant and Erasmus+ Scholarship applicant
- Research Ambassador at Georgia State University
- GSURC 2018 Student Committee member and Honors College Technology Fee Committee member
- Writing Undergraduate Honors thesis – will submit Spring 2020.
- Other research projects: An Analysis of Title IX Comments in the 2019 Amendment RFC