

# PRABHAV CHAWLA

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## EDUCATION

### Georgia Institute of Technology, Atlanta, GA

- Bachelor of Science in Computer Science

- GPA: 4.0/4.0

- Relevant coursework- Machine Learning MOOC by Andrew Ng, Object Oriented Programming in Java

August 2016 – Present

Expected Graduation: December 2019

### The Shri Ram School Aravali, Gurgaon, India

- GPA: 98/100; achieved 2<sup>nd</sup> highest marks in the state of Haryana, perfect scores in CS, Math and Physics

- Received the school's Innovator Award 2016 and the Scholar Award 2016

- Cleared the aptitude exam for Kishore Vaigyanik Protsahan Yojana, a National fellowship in basic sciences, and secured 6 medals in Olympiads conducted by the Science Olympiad Foundation

April 2012 – May 2016

## WORK EXPERIENCE

### School of Interactive Computing, Georgia Tech, Atlanta, GA

December 2016– Present

Student Assistant at Contextualized Support for Learning Lab

- Content developer for the Runestone AP Computer Science Principles eBook
- Added ARIA attributes to the HTML code to improve accessibility for screen reader users

### Opera Solutions, LLC, Noida, India

May 2015

Front-end Web Development Intern

- Created an employee login portal using HTML, CSS and JavaScript; portal is used by 100 employees daily
- Exposed to latest trends in Big Data analytics and Data Science through company organized workshops

## PROJECTS

### DisMap

October 2016 – Present

- Used Java to manage the database of an Android app which scrapes Yelp reviews to identify restaurants with recorded incidents of racism or sexism and to display them on a map
- Won the HackHarassment prize at HackNC 2016

### SafeWalk

September 2016 – Present

- Provided backend support for an iOS app which suggests the safest route to walk from origin to destination:
  - Applied data analytics on crime logs using Python to classify streets as safe or unsafe
  - Used the Google Maps API and parsed the JSON output using Python
- Led a team of four to implement the application for the Georgia Tech campus map at HackGT

### InfraElephant

June 2015 – November 2015

- Co-authored a research paper titled- 'Using Sound Waves to Prevent Elephant Deaths in Train Accidents'
- Designed a Java application to emit sinusoidal sound waves of desired frequency by using the Sound API
- Presented the project at the Dr. A.K. Saha Memorial Young Scientists Convention

## SKILLS

**Languages:** Java, Python, HTML, CSS, Bash, Git, JavaScript, MATLAB

**IDEs:** IntelliJ, PyCharm

## ACTIVITIES

The Agency – AI Club at College of Computing · Member

August 2016 – Present

- Built a bigram Markov chain text generator in Python
- Trained a word2vec model using the Gensim API to solve Miller Analogies Test questions

Student Government Association IT Board · Member

August 2016 – Present

- Revamped the tellburdell.gatech.edu website using Drupal

Competitive Programming · codechef.com/users/pc\_1998

May 2016 – Present