

PRABHAV CHAWLA

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<https://github.com/pc98>

<http://prabhavchawla.me>

EDUCATION

Georgia Institute of Technology, Atlanta, GA

August 2016 – Present

Expected Graduation: December 2019

- Bachelor of Science in Computer Science
- GPA: 4.0/4.0
- Relevant coursework- Machine Learning MOOC by Andrew Ng, Data Structures and Algorithms in Java, Object Oriented Programming in Java

WORK EXPERIENCE

School of Interactive Computing, Georgia Tech, Atlanta, GA

December 2016 – Present

Student Research Assistant at Contextualized Support for Learning Lab

- Contributed to the open-source Runestone Components project by improving user accessibility and UX:
 - Added ARIA attributes to the HTML code to aid screen reader users
 - Used CodeMirror.js to create custom key maps and prevent keyboard trap
- Developed content for the AP Computer Science Principles eBook

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 MySQL and Amazon Web Services to manage the database of an Android app which scrapes Yelp reviews to identify businesses with recorded incidents of racism or sexism
- Visualized the data on a map using the ArcGIS Android SDK
- Won the HackHarassment prize at HackNC 2016

SafeWalk

September 2016 – Present

- Provided backend support for an iOS app which suggests the safest way 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, JavaScript, MATLAB, MySQL

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

May 2016 – Present

- Ranked in the top 500 globally in 'Lunchtime' coding competitions hosted on Codechef (https://codechef.com/users/pc_1998)