PRABHAV CHAWLA

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EDUCATION

Georgia Institute of Technology, Atlanta, GA   *August 2016 – Present*
- Bachelor of Science in Computer Science   *Expected Graduation: December 2019*
- GPA: 4.0/4.0
- Relevant coursework- Machine Learning MOOC by Andrew Ng, Data Structures and Algorithms in Java, Object Oriented Programming in Java

The Shri Ram School Aravali, Gurgaon, India   *April 2012 – May 2016*
- GPA: 98/100; achieved 2nd 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

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, 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*