PRABHAV CHAWLA

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OBJECTIVE

To obtain a Software Engineering Internship for Summer 2017

EDUCATION

Georgia Institute of Technology, Atlanta, GA *August 2016 – Present*

- Bachelor of Science in Computer Science *Expected Graduation: May 2020*
- Relevant coursework- Machine Learning MOOC by Andrew Ng, Object Oriented Programming in Java, Linear Algebra

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

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
- Delivered a presentation to the CEO regarding the functionality of the portal
- Exposed to latest trends in Big Data analytics and Data Science through company organized workshops

PROJECTS

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

MedCloud *October 2015 – May 2016*

- Created a cloud based solution for storing medical and biometric records, which can be accessed by hospitals to provide appropriate treatment to patients
- Won 2nd place at ShriTeq product design competition

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 produce sinusoidal sound waves of desired frequency:
  - Used the Java Sound API
  - Took into account the Doppler Effect and the variance of velocity of sound with air temperature
- Presented the project at the Dr. A.K. Saha Memorial Young Scientists Convention

SKILLS

Languages: Java, Python, HTML, CSS, Bash, Git, JavaScript
IDEs: IntelliJ, PyCharm
Operating Systems: Windows, Macintosh
Foreign Languages: Hindi

ACTIVITIES

The Agency – AI Club at College of Computing · Member *August 2016 – Present*

- Built a bigram Markov chain text generator in Python

Student Government Association IT Board · Member *August 2016 – Present*

Competitive Programming · codechef.com/users/pc_1998 *May 2016 – Present*

Aravali Model UN · Head of Research *April 2015 – October 2015*