AYUSH SINHA

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EDUCATION

Purdue University   West Lafayette, IN
Bachelor of Science in Computer Science   Expected May 2021
GPA: 3.92

Liberty High School   Frisco, TX
Distinguished High School Diploma   June 2017

SKILLS

- Programming Languages: Java, C, C++, Python, HTML5, Swift, JavaScript, CSS
- Sound understanding of Machine Learning and Artificial Intelligence algorithms
- Proficient in English, French and Hindi

PROGRAMMING EXPERIENCE

Articulate Software – Summer Intern: San Francisco, CA
- Researched the field of Ontology, TimeML and SUMO   June 2017–Aug 2017
- Created a dataset of Wikipedia sentences containing temporal
  relationships
- Annotated the dataset using the Brat Rapid Annotation Tool in order to
  create a dataset that could be processed by the company's Formal
  Upper Ontology algorithms

Independent Study & Mentorship Project: Frisco, TX
- Programmed a Neural Network from scratch in Python 3 to classify the   2016–2017
  Iris Flower Dataset
- Analyzed the efficacy of various ML algorithms such as Neural
  Networks, Naive Bayes Classifiers, and Decision Trees at Twitter
  Hashtag prediction

Competed in Annual HP CodeWars: Houston, TX
- Programmed multiple contest programming problems in Java   2015–2017

Competed in Biannual University of Texas at Dallas Coding Competition: Richardson,TX
- Coded various ACM ICPC style contest problems in Java   2015–2017

ACTIVITIES & ACHIEVEMENTS

Royal Highlander Club 5N Floor Senator: West Lafayette, IN
- Address issues affecting the McCutcheon Dorm Hall and discuss   Aug 2017–Present
  potential solutions to help residents enjoy their time at the dorm
- Coordinate the logistics of organizing events and activities for the
  residents of the McCutcheon hall

Coauthored Academic Research Publication on 3D Printing: Austin, TX
- Published the peer reviewed academic research paper "A   2016
  Reconfigurable System to Enhance the Work Envelope of a Solid
  Freeform Fabrication System"
- Presented the paper at the 2016 Solid Freeform Fabrication Symposium

Perot Museum of Nature and Science Discovery Corps Volunteer: Dallas, TX
- Featured as "a leader" among the over 80 fellow volunteers and as   2016–2017
  "eager to assist" in the 2016 Volunteer Newsletter Spotlight
- Volunteered for over 250 hours with the program

High School Robotics Club: Frisco, TX
- Formed the first Robotics club in the district   2015–2017
- Organized funding for the FIRST Tech Challenge Robotics starter kit and
  other supplies
- Built the robot from scratch in a highly crunched timeframe of 3 weeks
- Programmed the robot in Java using the Android Studio IDE
- Led the Robotics team as the team captain into the FIRST Tech
  Challenge