# Shaurya Sinha

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## EDUCATION

### PURDUE UNIVERSITY
B.S. in Computer Engineering
Expected May 2020 | West Lafayette, IN
Cum. GPA: 3.74
College of Engineering
Dean's List (All Semesters)
Semester Honors (All Semesters)

### SANSKRITI SCHOOL
High School
Grad. May 2015 | New Delhi, India
Grade: 94.2/100
Award for outstanding academic achievement

## LINKS

Github:// **ayruahs**
LinkedIn:// **shaurya-sinha**

## COURSEWORK

Creativity in Engineering Design I and II (Honors)
Intro to Manufacturing
Advanced C-Programming
Unix Tools
CS for Engineers

## SKILLS

### PROGRAMMING
Java • Python • C • MATLAB • Swift

### WEB TECHNOLOGIES
HTML • CSS • Bootstrap

### MISCELLANEOUS
Git • Linux • Bash • Xcode

## EXPERIENCE

### MINISTRY OF EXTERNAL AFFAIRS | Software Development Intern
May 2017 – Jun 2017 | New Delhi, India

- Developed an app that checks the names of visa applicants against a list of known/potential criminals and terrorists using fuzzy string matching and a custom Soundex algorithm implemented in Java.
- Prototype for a system to be used at visa offices and embassies in neighboring countries as one in a series of security checks.
- The system is able to detect changes in spelling or pronunciation and still raise flags, in case a criminal changes their name to enter the country.

### IEEE COMPUTER SOCIETY | Sponsorship Delegate
Jan 2017 – Present | West Lafayette, IN

- Responsible for securing funds and sponsorship for the activities and events of the Computer Society.
- Applied for monetary awards and reached out to representatives from industry as well as Purdue University to inquire about sponsorship opportunities.
- Raised $500 in my first semester as sponsorship delegate.

## PROJECTS

### THERMAL DEPOLYMERIZATION ROBOT | Software Team
Sep 2016 – Dec 2016 | West Lafayette, IN

- Designed the prototype of a robot that classifies bins containing different kinds of debris produced in natural disasters and transports them to a Thermal Depolymerization Plant.
- Wrote the line-following and bin-lifting algorithms for the robot using a Python-to-NXT library.
- Part of the software team of 2 members in a larger team of 4 members.

### AUTONOMOUS LUNAR VEHICLE | Software Team
Feb 2017 – May 2017 | West Lafayette, IN

- Designed the prototype of an autonomous vehicle that uses GPS to traverse the lunar surface to drop antennae at specific points in order to facilitate future space research.
- Wrote the shortest path-finding algorithm and the system to interpret GPS messages using RobotC.
- Part of the software team of 2 members in a larger team of 4 members.

## SOCIETIES

2016 Purdue University Honors College
2016 Purdue Climbing Club
2017 IEEE, Purdue Chapter