Shaurya **Sinha**

(+1) 408-636-8488 | sinha35@purdue.edu | www.ShauryaSinha.com | Ayruahs | shaurya-sinha

Education

Purdue University   *West Lafayette, Indiana*
B.S. in Computer Science with a Minor in Mathematics   *Aug 2016 - Dec 2019*

- GPA: 3.77/4.0
- Charles W. Brown ECE Scholarship
- Honors College

Experience

Ministry of External Affairs   *New Delhi, India*
Software Development Intern   *May 2017 - Jun 2017*

- Developed a desktop application in Java that checks the names of visa applicants against a database of known and potential criminals and terrorists using Levenshtein distance and a custom Soundex algorithm.

- Decreased application response time by 65% by reducing sorting time from $O(n^2)$ to $O(n \log n)$ and implemented changes to existing code.

- Achieved high accuracy as evidenced by the application classifying 88% of 1500 test cases correctly.

IEEE Computer Society   *West Lafayette, Indiana*
Sponsorship Delegate   *Jan 2017 - Oct 2017*

- Secured 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 within Purdue University to inquire about sponsorship opportunities.

Projects

Celebrity Recognition
github.com/CS490iOS/Celebrity-Recognizer   *Feb 2018-Mar 2018*

- Developed an iOS application that uses AWS Rekognition to recognize celebrities from pictures taken by the user and displays that celebrity's popular movies.

- Used Firebase as backend for tracking details of all searched celebrities and handling user login.

Photo Calorie Counter
github.com/Ayruahs/PhotoCalorieCounter   *Aug 2017*

- Developed an iOS application using IBM Watson's Visual Recognition service on the IBM Cloud platform.

- Users take a picture of their meal and the app displays its calorific value.

Purdue Pancakes
github.com/Ayruahs/Pancakes   *Jun 2017 - Jul 2017*

- Developed an iOS application that uses the Purdue Dining Courts API.

- Users can choose favorite foods from the upcoming menu and are sent a notification containing serving time and location an hour before the food is to be served.

Skills

- Languages: Java, Swift, Python, C, HTML/CSS, MATLAB

- Tools/Misc.: Git, Linux, Bash, Firebase, AWS, Xcode, IntelliJ IDEA, Bootstrap