Shaurya **Sinha**

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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

Experience

Fulcrum GT — *Chicago, IL*

Incoming Software Engineering Intern — *May 2018 - Aug 2018*

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, IN*

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

- 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

- 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

- 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, C++, JavaScript, HTML/CSS, MATLAB
- Tools/Misc.: Git, Linux, Bash, Firebase, AWS, Bootstrap