

# Shaurya Sinha

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## Education

### Purdue University

B.S. IN COMPUTER SCIENCE WITH A MINOR IN MATHEMATICS

- GPA: 3.76/4.0
- Charles W. Brown ECE Scholarship

West Lafayette, Indiana

Aug 2016 - May 2020

## Experience

### Fulcrum GT

SOFTWARE ENGINEERING INTERN

- Developed a web application using React that reduces the time taken to conduct trademark research for logos and wordmarks by IP attorneys and graphic designers using Content-based image retrieval (CBIR).
- Designed, secured, and tested the API for CBIR and user authentication in Python.
- Reduced time of determining whether a logo is trademarkable from a few hours or days to a few minutes as tested by in-house attorneys.

Chicago, IL

May 2018 - Aug 2018

### Ministry of External Affairs

SOFTWARE DEVELOPMENT INTERN

- 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 implementing changes to existing code.
- Achieved high accuracy as evidenced by the application classifying 88% of 1500 test cases correctly.

New Delhi, India

May 2017 - Jun 2017

## Projects

### Celebrity Recognition

🔗 [GITHUB.COM/CS490IOS/CELEBRITY-RECOGNIZER](https://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](https://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](https://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, MATLAB
- Tools/Technologies: Git, AWS, Unix/Linux, Flask, React, Firebase, HTML/CSS