

# Shaurya Sinha

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## Education

### Purdue University

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

- GPA: 3.58/4.0
- Corporate Partners Program and Charles W. Brown ECE Scholarships

West Lafayette, IN

Aug 2016 - Dec 2019

## Experience

### Facebook

SOFTWARE ENGINEERING INTERN

- Worked as an iOS developer at Instagram Stories Interactivity and Feedback to create new user experiences.
- Implemented features to allow replying to stories with gifs and stickers and extended existing quick reactions.
- Analyzed and launched multiple A/B experiments with millions of participants on iOS to make data-driven decisions.

San Francisco, CA

May 2019 - Aug 2019

### CS 49000 - iOS Development in Swift

TEACHING ASSISTANT

- Lectured and taught course material for a student-run course on iOS development in the Swift programming language.
- Mentored 45 students in developing and deploying 8 full-fledged iOS apps.

West Lafayette, IN

Jan 2019 - May 2019

### Fulcrum GT

SOFTWARE ENGINEERING INTERN

- Developed a patent pending web application that reduces the time taken to conduct trademark research using Content-based image retrieval (CBIR).
- Reduced time of determining whether a wordmark or logo is trademarkable from a few hours or days to a few minutes as tested by in-house attorneys and designers.
- Designed the API for CBIR and user authentication in Python and implemented part of the frontend to product designer's specifications using React.js.

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.

New Delhi, India

May 2017 - Jun 2017

## Projects

### Celebrity Recognition

🔗 [GITHUB.COM/CS490iOS/CELEBRITY-RECOGNIZER](https://github.com/CS490iOS/CELEBRITY-RECOGNIZER)

- Collaborated with a team of 3 to develop an iOS application that uses Amazon Web Services' (AWS) Rekognition API to recognize celebrities from pictures taken by the user and displays that celebrity's popular movies.
- Utilized Firebase as backend for tracking details of all searched celebrities and handling user login.

## Skills

- Languages: Java, Python, Objective-C, Swift, C, C++, JavaScript, MATLAB
- Tools/Technologies: Git, AWS, Unix/Linux, Flask, React.js, Firebase, HTML/CSS