

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, IN

Aug 2016 - May 2020

Experience

Facebook Inc.

INCOMING SOFTWARE ENGINEERING INTERN

Menlo Park, CA

May 2019 - Aug 2019

Fulcrum GT

SOFTWARE ENGINEERING INTERN

Chicago, IL

May 2018 - Aug 2018

- Collaborated with a team of 6 to develop a patent pending web application that reduces the time taken to conduct trademark research by IP attorneys and graphic designers 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, secured, and tested the API for CBIR and user authentication in Python.
- Implemented part of the frontend to UI/UX designer's specifications using React.js.
- Deployed the backend to a Kubernetes cluster after packaging it into a Docker image.

Ministry of External Affairs

SOFTWARE DEVELOPMENT INTERN

New Delhi, India

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

Projects

Celebrity Recognition

🔗 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.

Photo Calorie Counter

🔗 GITHUB.COM/AYRUHLS/PHOTOCALORIECOUNTER

- Developed an iOS application that allows users to obtain the caloric value of their meal by taking a picture.
- Utilized IBM Watson's Visual Recognition service on the IBM Cloud platform to recognize foods.

Skills

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