VIBHAV **KOTRIWALA**

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EDUCATION

University of Illinois at Urbana-Champaign (UIUC)
B.S. in Computer Science & Math
May 2021 | Urbana, IL

GPA: 3.80/4.0
Dean's List Awardee (FA'17, SP'18)

SKILLS

Languages & Tools

Proficient: Java | Python | C++ | C | Dart | SQL | mongo
Familiar: JavaScript (React) | Scala | node.js | Kafka | Elasticsearch

Markup/Templating

LaTeX | HTML | CSS

COURSEWORK

Data Structures & Algorithms
Database Systems
System Programming
Computer Architecture
Probability & Statistics in Comp Sci
Software Design Studio
Linear Algebra

ORGANIZATIONS

Treasurer - Engineering Council (EXPO)
Officer - Illinois Programming League
Member - ACM
Member - Association of Data Science

PUBLICATION & HONORS

– Bridge of Brotherhood: An article on the Indo-Chinese Exchange Program
– Token of Honor (Grade 9-12)
– Microsoft Office Specialist

WORK

HubSpot | Software Engineering Co-op
Cambridge, MA | June 2019 – Present
- Worked as part of the API Tooling team using *Java* which builds tools to make it simple and easy for developers to build complete and consistent APIs and allows users to view well-documented APIs.
- Developed the *Maven* plugin which auto-generates API Documentation and installed it across *all* services at HubSpot, matured the *Github* PR Feedback tool which informs of breaking change among other tasks.
- Examined common API response error strings and worked to standardize these error messages in all projects across HubSpot.

4CeeD – Data Curation | Software Developer
Urbana, IL | June 2018 – May 2019
- Worked under Prof. Klara Nahrstedt to create a cross-platform mobile application using *Flutter* for data management, quick uploads, and previews.
- Replaced old file tree structure with a modern widget using *Webix* library using *JavaScript*; implemented sorting, multiple drag-and-drop, context-menus, filtering, side by side previews for files and folders.

CS 125 @ Illinois | Data Analyst
Urbana, IL | May 2018 – May 2019
- Worked with the *mongo* database to create a grade prediction tool for students taking CS 125.
- Analysed course data - explored correlations between various facets in the course - attendance vs grades, attention drops, enrolment spikes/drops, student behaviour - using *PyMongo*, *NumPy*, *mathplotlib*.

CS 196 @ Illinois | Course Staff (PM)
Urbana, IL | August 2018 – May 2019
- Member of Executive Committee and Project Manager; mentor a group of students and grade them on their semester long projects.

PROJECTS

Vacation Ready | HackIllinois 2019
Urbana, IL | March 2019
- Created a mobile application using *flutter* which generates travel itineraries based on user interests.
- Used pathfinding and Google Places API to display choices to the end user that will best fit their travel plans.
- Utilizes user feedback to improve recommendations with a location based push notification system.

LITRIDE | MHacks X
Ann Arbor, MI | September 2017
- Developed an application using the concept of access economy using *Android Studio* and *Firebase* and integrated Google Sign-In, Google Maps, and real-time car tracking using Lyft API.