

# Sid Simhadri

Software Developer

## Contact

(425) 499-6989

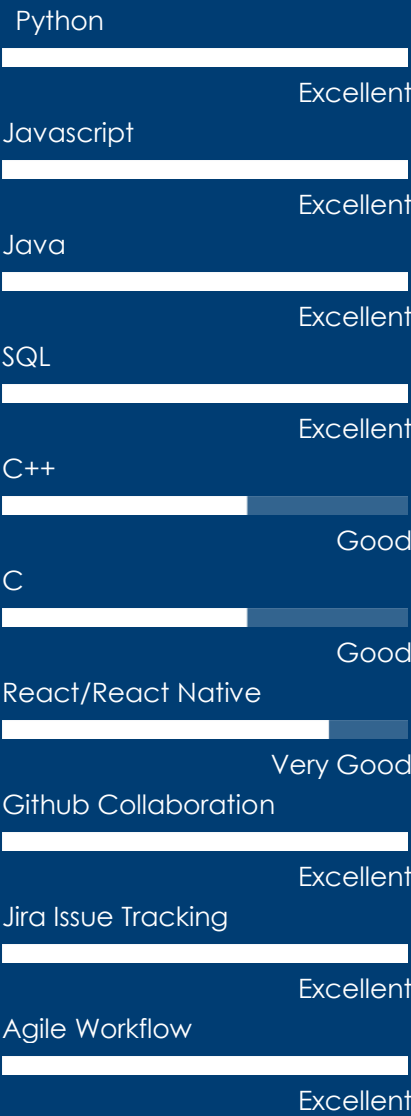
**E-mail**  
simhadri.s@northeastern.edu

**WWW**  
sidsimhadri@github.io

## Education

**BS: Computer Science**  
Northeastern University Khoury  
College 2023-05

## Skills



Dedicated and Curious developer with strong Full-Stack experience from 4 years of project-based learning and 1 year of Industry experience. Familiar with agile processes and comfortable with collaborating across teams.

## Work History

- 2022-08 - 2022-12

**Backend Developer Co-op**  
*Tyler Technologies, Falmouth, MN*
  - Built backend for multiple large scale enterprise apps that will be published for customers in early 2023
  - Wrote advanced SQL queries involving large joins, merges, subqueries, and user defined functions
  - Created APIs to integrate the backend services with Angular frontend, modified frontend on request from testers, and tested functionality using Postman
- 2021-09 - 2021-12

**Full Stack Developer Co-op**  
*Jellyfish, Boston, MA*
  - Worked within a full stack team to respond to customer feedback and squash app performance and infra bugs (primarily in SQL and Python with some React.js)
  - Built an interactive slack bot API to reserve staging environments using slash commands in slack chat
  - Prepared company database for sharding by writing SQL scripts and generating migrations
- 2020-07 - 2020-09

**Data Analyst Intern**  
*DeepScribe AI*
  - Used SQL and Python to process data, improve data quality by scrubbing outliers and generate charts that analyze product usage and customer growth trends
  - Wrote a technical requirements document and presented to the CFO and CEO
  - Wrote python scripts that could be ran on a schedule to enforce data quality automatically

## Projects

- MVC Animator**
  - Used MVC design pattern to design an animator to convert textual inputs into the user's choice of either SVG or Java Swing animation.
  - The editable Swing animation enabled users to play, pause, fast forward, and restart the animation, and decide if it should loop when completed
- Fitness App**
  - Built a full stack fitness app in React using axios and MYSQL to store user data
  - Users can create accounts, create workout plans, track and use the plans, and view charts generated from their workout performance
- Key Value Datastore (Raft)**
  - Built a distributed, replicated key-value datastore that supported get and put requests.

- Implemented a simplified version of the Raft protocol to maintain consensus between the replicas.