

# ANIRUDH SINGH

Available: August – December | Boston, MA | + 1 (253) 880-8099

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## EDUCATION

**Khoury College of Computer Sciences, Northeastern University, Boston, MA** Expected Grad: May 2021

*Candidate for Bachelor of Science in Computer Science, Minor in Mathematics*

GPA 3.52/4.0

Relevant Courses: Object Oriented Design, Algorithms & Data, Computer Systems, Discrete Structures, Embedded Design, Networks & Distributed Systems, Probability & Statistics, Foundations of Data Science, Artificial Intelligence

## TECHNICAL KNOWLEDGE

**Languages:** Java, Python, JavaScript, SQL, HTML, CSS, C/C++, Racket

**Frameworks/Libraries:** React, Bootstrap, Express, Flask, jQuery, Scikit-learn, Pandas, NLTK

**Other Tools:** Node.js, REST APIs, MySQL, MongoDB, Git, AWS, Windows/Linux, Postman, Docker, ML basics, Agile SCRUM

## PROJECTS

### Real or Not? NLP with Disaster Tweets

- Sentiment Analysis performed using Python, Natural Language Processing, Machine Learning, and Inferential Statistics to determine disaster status of a tweet.
- Conducted data cleaning methods, feature extraction, classification modeling, data visualization, and other techniques to show how Twitter can be a valuable mechanism to broadcast information in times of a disaster.

### ExCELLence Animation

- Built user-interactive application that renders 2D animations of shapes using Java Swing and AWT libraries.
- Applied MVC architecture to achieve separation of concerns and facilitation of multiple views, while performing unit testing with mocking.

### Personal Website/Portfolio

- Designed and developed single-page portfolio with HTML5, CSS3, JavaScript, jQuery, and Bootstrap4. Visit page at <https://anirudh723.github.io>.

### ALEXA Skill

- Built Amazon ALEXA skill called 'Computer Science Wiki' using Python and AWS Lambda to run and test code.
- Skill provides over 20 definitions for common keywords in field of Computer Science.

### Mechatronic Bridge

- Built programmable miniature bascule bridge using Arduino and set sensors.
- Bridge involved variety of components including structural analysis and robotic programming.

## EXPERIENCE

### Developer Intern

June 2020 - Present

Massachusetts Technology Collaborative | Westborough, MA

- Migrating company data into MySQL database for improved interpretability and faster queries.
- Building a dashboard application using React, Node.js and Express that will visualize information from database.

### Teaching Assistant, CS3500: Objected-Oriented Design

May 2020 – Present

Khoury College of Computer Sciences, Northeastern University | Boston, MA

- Hold office hours to assist students improve code structure and design choices.
- Reinforce concepts including MVC architecture, inheritance, polymorphism, abstraction, etc.

### Northeastern University Office Assistant

Sept 2018 – June 2020

Residence Hall and School of Public Policy & Urban Affairs | Boston, MA

- Design event flyers, schedule weekly meetings, file paperwork, and handle daily mail deliveries.

### Customer Service and Sales Intern

Jun 2017 – Aug 2017

T-Mobile | Tacoma, WA

- Managed inventory using operations management application.
- Developed useful sales and customer service skills by consulting with over 200 customers daily, providing solutions that best fit need.